The Corps

of

Royal Canadian Electrical and Mechanical Engineers

RCEME Trades 1944-2020

A Reference Guide

Trade Specifications

Volume 15b- The Post-Unification Trades (Part 2)

The RCEME Heritage Archives

RCEME Trades 1944-2020

A Reference Guide

Trade Specifications

Volume 15b - The Post-Unification Trades (Part 2)

Contents of this Volume

This volume includes:

- Electro-Mechanical Technician 431 Trade (Specification not found)
- Fire Control Technician (Electrical) 432 Trade (1993)
- Fire Control Technician (Optronic) 433 Trade (1993)
- Fire Control Systems Technician 434 Trade (1999)
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See Volume 15a for:

- Vehicle Technician 411 Trade (2005)
- Weapons Technician (Land) 421 Trade (2001)
- Materials Technician 441 Trade (2005)

Introduction

RCEME Trades 1944-2020, A Reference Guide summarizes the trades that were part of RCEME when the Corps was formed in 1944, and follows the development, amalgamations, changes, and history from that time to the four trades that are part of RCEME today. During the research for that document, many trades specifications and standards were found in the Library and Archives Canada (LAC) and other repositories. These were used to prepare a thumbnail history of each trade in the main reference, but space precluded the inclusion of the complete trade specification and/or standard.

This “Trades Specifications” series supports the main document and includes the original trade specifications and references as they were found at the LAC and elsewhere. This is a source document for researchers. In general, the raw photographs of the LAC file pages have been converted to a searchable .pdf file. No attempt has been made to reformat the contents of the original files.

This volume includes the post-Unification trades specifications. All of the trades have changed in the years since 1970. The specifications were provided by DND as representative examples of the trade/occupation specification on the noted date.

Note: during assembly, the size forced the file to be split into two parts, Volume 15a and Volume 15b.

Guide to the Series

Because of the size of some of the files, the trades have been separated into several volumes, each containing the specifications for a group of trades. The series consists of:

Volume 1 - Aircraft Trades

Volume 2 - Armourer, Armament, and Weapons Technician Trades

Volume 3 - Body and Tire Repair Trades

Volume 4 - Driver and Driver Mechanic Trades

Volume 5 - Electrical Trades

Volume 6 - Instructor Trades

Volume 7 - Instrument Trades

Volume 8 - Metals, Machinist, and Welding Trades

Volume 9 - Radar and Fire Control System (1950s) Trades

Volume 10 - Radio and Telecommunication Trades

Volume 11 - Recovery Mechanic Trades

Volume 12 - Vehicle Repair Trades

Volume 13 - Other Trades

Volume 14 - Trade Reviews

Volume 15 - Post-Unification Trades

Volume 16 - RCEME Trades in 2020

Source Documents

This is a supporting reference for *RCEME Trades 1944-2020, A Reference Guide*. The list of sources for the main document is reproduced below. Where possible, the source document (or a relevant excerpt) has been scanned and placed on the RCEME Historical Database. Sometimes, a copy may be on the Internet Archive. One location of the primary document is included - there may be other copies in existence.

Primary sources include:

Instructions Regarding Trades Tests and Tradesmen's Rates of Pay, Canadian Army (Overseas), 1943. A copy is available in the Canadian War Museum under the call reference UB 337 I57 CWM Ref Tech 1943. Short reference in this document: [Trades 1943]. This document does not relate trades to a specific Corps. The relationship to RCOC(E) and later RCEME is inferred.

Instructions Regarding Trades Tests and Trades Testing, Canadian Army, 1944. Queens Printer, 1944. A copy is available in the Canadian War Museum under the call reference UB 337 C2 I5 CWM Ref Tech 1944. Short reference in this document: [Trades 1944]. This reference had two major amendments: AL 1 dated 1 January 1945, and AL 2 (not dated), both included in the reference. This reference relates to the Canadian Army as a whole, and not just the Canadian Army Overseas. The assignment of trades to Corps includes RCEME, which is evidence that it was updated after the formation of CEME/RCEME.

Canadian Army Routine Order (CARO) No. 4230 dated 15 March 1944. The Annexes to this CARO (and subsequent CAROs that amended CARO 4230) detailed the units and trades that were to be transferred to the new Corps of RCEME. The Canadian War Museum has a set of CARO.

Canadian Army Routine Order No. 6579 dated 20 May 1946. This was the first major postwar regrouping of Army trades and classification of tradesmen. A copy is available in the Canadian War Museum under the call reference Ref Tech Folio UB 505 C2 A7. Short reference in this document: [CARO 6579 (1946)].

Canadian Army Order No. 269-1 dated 8 April 1947. This order amplified and clarified[CARO 6579 (1946)] and is part of the new Canadian Army Orders series that replaced the Canadian Army Routine Orders in 1947. A copy is available in the Canadian War Museum under the call reference Ref Tech UB 507 A6 S8. It also announced that a new publication "Canadian Army Trades Tests 1946" would be issued, (which has not been found). Short reference in this document: [CAO 269-1 (1947)].

Canadian Army Order No. 269-1 dated 22 August 1949. Trades Designations, Groupings of Trades, Responsibility for Training and Corps Affiliation. This replaced and updated [CAO 269-1 (1947)]. It also assigned trades to specific Corps. A copy is available in the Canadian War Museum under the call reference Ref Tech UB 507 A6 S8. Short reference in this document: [CAO 269-1 (1949)]. This reference was amended in CAO 269-1 dated 6 February 1950, which is included as part of this source.

Canadian Army Order No. 269-1 dated 27 November 1950. Trades Designations, Groupings of Trades, Responsibility for Training and Corps Affiliation. This replaced and updated [CAO 269-1 (1949)]. A copy is available in the Canadian War

Museum under the call reference Ref Tech UB 507 A6 S8. Short reference in this document: [CAO 269-1 (1950)].

Canadian Army Order No. 269-1 dated 5 May 1952. Trades Designations, Groupings of Trades, Responsibility for Training and Corps Affiliation. This replaced and updated [CAO 269-1 (1950)]. A copy is available in the Canadian War Museum under the call reference Ref Tech UB 507 A6 S8. Short reference in this document: [CAO 269-1 (1952)].

There would appear to have been an update to CAO 269-1 in 1954, but the CWM does not have a copy of that CAO - DHH might.

Canadian Army Manual of Trades and Specialties. This detailed the Canadian Army trade standards and specifications and replaced the Canadian Army Trades Tests series. The manual seems to have come into effect by CAO 225-52 dated 18 November 1957. There is apparently no CAO 269-1 after that date. The RCEME trades extracted from this document are dated in the late 1950s and early 1960s. A copy is available in the Canadian War Museum under the call reference Ref Tech UB 337 C2 C3 n.d. This reference is not complete. A complete version may exist at DHH (apparently not). Short reference in this document: [CAMTS].

Files in the Library and Archives, Canada (LAC). There are files in the LAC on many of the RCEME trades in the 1950s and early 1960s. These files have been reviewed and the specific file reference is contained in Annex A for the specific trade in question. See also the Army Trades Committee paragraph below. Short reference in this document: [LAC - file reference].

A specific file at the LAC is RG24-C-1-a, Volume 2165, File HQS-54-27-35-320, Trades Training & Tests - RCEME - Policy 1944-1947. It is not complete, but provides documentary evidence of the DEME position on the creation and elimination of some trades. Where other official confirmation has not been found (e.g. in the Army Trades Committee files), this file has been accepted as an authority. Short reference in this document: [LAC - Policy - Training of Tradesmen, RCEME]

Army Trades Committee and Army Trades Committee Sub-committee files at the LAC. A specific series of files at the LAC are the minutes of the Army Trades Committee and Army Trades Committee Sub-committee from about 1950 to 1965. They are best located by using the LAC search engine. The minutes give the approval (and date) for trade actions, and are often accompanied by supporting documentation such as trades specifications. Short reference in this document: [LAC - ATC and LAC - ATCSC]. The Directorate of History and Heritage also has a copy of some of these files. Between DHH and the LAC, there should be a complete set.

Files in the RCEME Archives. The RCEME archives, currently located at the RCEME School, have a few trades files. Most date from the early 1960s. There is a separate list ing of all the files in the RCEME archives. Short reference in this document: [RCEME Archives].

Bennett, Thomas J. **Skill at Arms, A History of Canadian Army Trades including their Badges and Parachute Wings**. Bunker to Bunker Books, Calgary, AB, 2005. The book appears to be out of print. A copy is in the Canadian War Museum Library under the call number UC 535 C3 B458 2005. Short reference in this document: [Skill at Arms]. It is an outstanding reference work, and was used heavily in the creation of the first draft of this document. However, unfortunately it does not link to primary

sources, and has been replaced as a source document as primary sources become available. That said, few discrepancies have been found, and I have full confidence in this book as a source. It was my primary reference for relating the badges worn by the trades.

RCEME Historical Database. Documents of general and specific interest to RCEME have been placed on a Google drive, part of which is shared with the public. All files in the public section of the database can be downloaded. The database can be accessed through the history and heritage tab on the Corps of RCEME website. Supporting documentation is in the RCEME Complete Digital Archives on the same Google Drive. The supporting documentation (such as the raw document scans) is not available to the general public, but can be requested from the RCEME Historian if required. Short reference in this document: [RCEME Historical Database].

RCEME Trades Source Documents at the LAC (Postwar and Pre-Unification)

The following Policy of Training and Qualifications files have been located at the LAC. All files have been reviewed and relevant details, including trades specifications, have been photographed and a pdf file of the information has been created and placed on the RCEME Historical Database. In general, the information contained in the files is limited to a copy of the draft trades standard. It is a disappointing source, but provides an index to the trades that were in existence.

Policy of Training and Qualifications - Artificers 1951-1961. [LAC Reference: RG24-C-1-c, Volume/box number 31348, File number 3202-A15.]

Policy of Training and Qualifications - Body Repairman 1952-1959. [LAC Reference: RG24-C-1-c, Volume/box number 31348, File number 3202-B22.]

Policy of Training and Qualifications - Driver Mechanics (Wheeled) 1956-1958. [LAC Reference: RG24-C-1-c, Volume/box number 31349, File number 3202-D22/2.]

Policy of Training and Qualifications - Driver Mechanics (Tracked) 1950-1956. [LAC Reference: RG24-C-1-c, Volume/box number 31349, File number 3202-D22/1.]

Policy of Training and Qualifications - Electrical Mechanic 1955-1960. [LAC Reference: RG24-C-1-c, Volume/box number 31362, File number 3202-E14.]

Policy of Training and Qualifications - Fire Control System Technician (AA) 1955-1959. [LAC Reference: RG24-C-1-c, Volume/box number 31362, File number 3202-F9.]

Policy of Training and Qualifications - Fitters 1949-1950. [LAC Reference: RG24-C-1-c, Volume/box number 31362, File number 3202-F18.]

Policy of Training and Qualifications - Instructors (RCEME) 1950-1955. [LAC Reference: RG24-C-1-c, Volume/box number 31363, File number 3202-J2/7.]

Policy of Training and Qualifications - Instrument Technician 1950-1959. [LAC Reference: RG24-C-1-c, Volume/box number 31362, File number 3202-J11.]

Policy of Training and Qualifications - Machinist Fitter 1951-1962. [LAC Reference: RG24-C-1-c, Volume/box number 31363, File number 3202-M2/1.]

Policy of Training and Qualifications - Machinist (Metal) 1946-1965. [LAC Reference: RG24-E-1-c, Volume/box number 32842, File number 450-M1. RCAF file.]

Policy of Training and Qualifications - Master Vehicle Technicians 1954-1958. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-V8/M.]

Policy of Training and Qualifications - Master Weapons Technician 1955-1958. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-W8/M.]

Policy of Training and Qualifications - Projectionist Clerk. [LAC Reference: RG24-C-1-c, Volume/box number 31368, File number 3202-P49.]

Policy of Training and Qualifications - Radar Technician 1951-1954. [LAC Reference: RG24-C-1-c, Volume/box number 31368, File number 3202-R3.]

Policy of Training and Qualifications - Radio Technician 1955-1960. [LAC Reference: RG24-C-1-c, Volume/box number 31368, File number 3202-R12.]

Policy of Training and Qualifications - Recovery Mechanic 1953-1954. [LAC Reference: RG24-C-1-c, Volume/box number 31368, File number 3202-R11.]

Policy of Training and Qualifications - Tire Repairman 1952-1954. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-T18.]

Policy of Training and Qualifications - Typewriter Mechanics 1952-1956. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-T30.]

Policy of Training and Qualifications - Vehicle Mechanics 1950-1961. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-V6.]

Policy of Training and Qualifications - Vehicle Mechanics 1961-1963. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-V6.]

Policy of Training and Qualifications - Watchmaker 1952-1956. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-W4.]

Policy of Training and Qualifications - Weapons Technician 1954-1958. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-W8.]

Policy of Training and Qualifications - Welders 1952-1956. [LAC Reference: RG24-C-1-c, Volume/box number 31369, File number 3202-W6.]

Electro-Mechanical Technician
431 Trade
(Specification not found)

Fire Control Technician (Electrical) 432 Trade (1993)

OCCUPATIONAL SPECIFICATION

FIRE CONTROL TECHNICIAN (ELECTRONIC) - MOC 432

SECTION 1

INTRODUCTION

1. This specification describes the Regular Force Military Occupation of Fire Control Technician (Electronic) (FCT(ELEC)) MOC 432 which is one of four occupations in the Fire Control Systems (Land) Career Field.

2. Occupational Specialty Qualifications (OSQs) applicable to the FCT(ELEC) occupation are listed in A-PD-055-001/AG-001 and the related Occupational Specialty Specifications (OSSs) are contained in A-PD-055-003/PQ-001.

3. The members of the FCT(ELEC) occupation, as serving members of the Canadian Forces, are required to maintain the standards detailed in the General Specification Non-Commissioned Members (A-PD-055-001/AG-001).

SCOPE

4. The functions of the occupation are categorized as duties and tasks. The major functions of the FCT(ELEC) are as follows:

a. inspects, tests, diagnoses faults, adjusts, repairs, re-conditions and modifies electrical, electro-mechanical, electro-optics and electronics;

b. maintains electrical and electronic automotive components;

c. maintains portable and trailer mounter power generating systems;

d. maintains electrical and electronic test equipment;

e. maintains batteries, battery chargers, meters and gauges;

f. maintains analog and digital computer equipments;

g. maintains guided missile systems;

h. maintains electrical and electronic fire control and weapon alignment systems;

j. maintains detecting systems;

k. maintains simulators and trainers;

m. sets up and operates test equipment to determine serviceability of equipment and complete systems;

n. provides technical advice on matters pertaining to the occupation;

p. exercises initiative in devising methods of testing and repairing equipment assigned to the occupation;

q. operates vehicles organic to maintenance units;

r. may be required to maintain target acquisition equipment;

s. may be required to maintain land navigational and orientation equipment;

t. performs the tasks of the EL M TECH MOC 431 as required;

u. maintains power distribution systems;

v. carries out maintenance of general purpose and special tools and test equipment used in the occupation;

w. carries out defect and accident investigation and suggests modifications on equipment relevant to the occupation;

x. uses, amends and develops maintenance documents and publications dealing with repair instructions, scales, tools, and test equipment;

y. originates and evaluates technical reports, returns and correspondence;

z. performs control and accounting tasks including administration of civilian contracts, distribution accounts and other maintenance resources;

aa. manages civilian and military personnel;

ab. instructs subordinates in their duties;

ac. conducts on-job training and instructional duties as required;

ad. advises or instructs other occupations in the performance of operator maintenance and servicing;

ae. performs NBCD duties appropriate to employment;

af. performs duties and activities common to the military environment and related to operational employment of maintenance sub-units; and

ag. promotes safe practices associated with fire, industrial, LASER, radiation and environmental safety programs.

WORKING CONDITIONS

5. a. Physical. In static units, work is usually performed in heated and well-lighted workshops. In field units, work is performed in mobile vans, temporary or improvised shelters or in the open. Work may be performed under adverse environmental conditions such as extreme heat, cold, obnoxious odours, noise, wet, or dust and dirt. Conditions may also necessitate the need to wear cumbersome protective clothing or equipment, to work in cramped quarters and to work over extended periods of time. In performing work, the technician lifts and manipulates parts and components ranging in weight from light to extremely heavy. The possession of a high degree of dexterity and

co-ordination are essential requirements.

b. Stress. Mental stress in the occupation is moderate under ordinary conditions but increases when repairs must be expedited under adverse environmental or operational conditions, or when intense concentration and manual dexterity are maintained for extended periods of time.

c. Consequence of Error. Error, neglect or poor judgement in operational and maintenance procedures may result in death or injury to operators, destruction or damage to the equipment, or reduction of combat efficiency. Improper fault diagnosis can result in excessive repair costs, prolonged loss of use of equipment and loss of confidence in the equipment by the operator.

d. Occupational Hazards. Injury or death can result from electrical shock, moving parts, or burns. Personnel are also exposed to the following hazards:

(1) cuts, punctures, bruises and skin irritation from cleaning, refinishing, preserving and POL products,

(2) skin and eye injury from acids and alkalines,

(3) exposure to LASER and radio-active sources, and

(4) combat hazards.

SPECIAL REQUIREMENTS

6. The following special requirements for this occupation are promulgated in various official publications. This information was verified as correct on 10 Jun 88 but may have been subsequently amended. DPCAOR is the coordinating authority for this information and any queries or suggested changes should be addressed through DPCAOR. This information is published in this specification for information only:

a. Medical Standards. Medical standards for the Canadian Forces are governed by A-MD-154-000/FP-000. The minimum medical standards for initial assignment to the FCT(ELEC) occupation are included below:

V	CV	H	G	O	A
4	2	3	2	2	5

NOTE: It is emphasized that Medical Standards shown above are for initial assignment of personnel to the occupation. Experienced personnel who have their medical category lowered will be considered for retention on their merit by a Career Medical Review Board in accordance with CFAO 34-26.

b. Language. The second language objective for NCMs of the Fire Control Technician (Electronic) occupation is to ensure that eventually there will be sufficient bilingual personnel available to man each position requiring a bilingual incumbent. Based on the analysis of the CF bilingualism requirements and the individual's aptitude, NCMs selected for second language training are to meet the Functional (F) level described in A-PD-001-000/AG-001, Military Second Language Training and Certification Testing Specifications.

c. Security Clearance. The requirement for a general occupation security clearance is

determined by a review of positions normally employing this occupation. A minimum security clearance of CONFIDENTIAL is required for the FCT(ELEC) occupation.

d. Education. The educational standards for enrolment in the Canadian Forces and in this occupation are described in CFAO 6-1 and in Recruiting Directives and Personnel Selection Directives issued by DRS and DPSRSC respectively.

e. Occupational Physical Selection Standard (OPSS). This occupation is allocated to OPSS Category C as defined in Recruiting Directive 2/87.

RELATED OCCUPATION SPECIFICATIONS

7. Reserves. There is no Reserve Occupation or Specification related to this occupation.

8. Mobilization. The related Mobilization Occupational Specifications are published in A-PD-123-005/PP-003 and are listed below for information:

MOC	TITLE	ABBREVIATION
M432B	Fire Control Technician (Electronic) - General	FCT(ELEC) - GEN
M432C	Fire Control Technician (Electronic) - Armoured	FCT(ELEC) - ARMD
M432D	Fire Control Technician (Electronic) - Artillery	FCT(ELEC) - ARTY
M432E	Fire Control Technician (Electronic) - Missiles	FCT(ELEC) - MSL

FIRE CONTROL TECHNICIAN (ELECTRONIC)

SECTION 2 - OCCUPATION PROGRESSION PROFILE

INTRODUCTION

1. Occupation progression in the FCT(ELEC) occupation is through the various qualification levels from Qualification Level (QL) 5 to QL6A. Progression beyond QL6A is by occupation transfer to Fire Control System Technician MOC 435. Progression through each level will be by qualification to the appropriate level of knowledge and skill outlined in this occupation specification, the General Specification Non-Commissioned Members, and as detailed in CFAO 49-4 (Career Policy - Members Other Than Officers - Regular Force).

METHOD OF QUALIFICATION

2. The following table outlines the method of occupation qualification for the FCT(ELEC) occupation based on the requirements detailed by Section 3.

LEVEL	METHOD OF QUALIFICATION
QL5	Formal occupation course
QL6A	Formal occupation course

3. The above is promulgated for information on occupation progression only. Appropriate Course Training Standard Writing Boards may determine that a change in the method of qualification is required after promulgation of this Occupational Specification (OS).

FIRE CONTROL TECHNICIAN (ELECTRONIC)

SECTION 3 - TASK LISTING

1. This Section specifies the task statements, the task involvement, and the levels of knowledge and skill required by personnel to qualify for entrance to each Qualification Level (QL). The coded format used is:

TASK INVOLVEMENT	KNOWLEDGE	SKILL
A - Assist In	a - Basic	1 - Limited Skill
D - Do	b - Detailed	2 - Semi-skilled
DS - Do and Supervise	c - Comprehensive	3 - Skilled
S - Supervise	d - Complete	4 - Highly Skilled

Notes: 1. The specified level of knowledge and skill states the minimum standard required for effective performance of each task.

2. The minimum level of task involvement, knowledge and skill required for independent performance is "Db3".

2. Definitions of task involvement, knowledge and skill are as follows:

a. Task Involvement

(l) Assist In. Help someone else to perform the task.

(2) Do. Perform the task independently or under supervision. If the task is performed under supervision, the extent of supervision necessary can be determined by the level of knowledge and skill required to perform the task.

(3) Do and Supervise. Sometimes perform and other times supervise the task.

(4) Supervise. Give orders or instructions followed up by personal observation and monitoring of the task to ensure compliance with standards.

b. Knowledge. In a specification, "knowledge" may refer to "subject" or "task statement" knowledge.

(l) Basic Knowledge. A rudimentary knowledge of the subject matter which can be acquired in a relatively short period of time. Personnel can -

a. name the major components of the item and the major tools required, and

b. state simple facts about the task and subject.

(2) Detailed Knowledge. The knowledge required to perform the task efficiently. Personnel can -

a. explain the inter-relationship of basic facts, and

b. describe the general principles involved.

(3) Comprehensive Knowledge. A wide scope of in depth knowledge of a particular field, or breadth of knowledge of a large number of related fields, theories, and techniques and procedures: or, a substantial amount of specialized information and extensive experience to cope with a diversity of situations. Personnel can explain -

a. why and when the task must be performed, and

b. the reason for each step.

(4) Complete Knowledge. A thorough knowledge of the techniques and procedures particular to a sphere of activity and a firmunderstanding of its application in other fields of endeavour. This level of knowledge usually requires extensive training and experience.

c. Skill

(l) Limited Skill. The learner level of performance based on practical instruction, demonstration and practice performed under supervision. It is the level of skill from which further progress can be made by practice and experience. Personnel -

a. can do simple parts of the task, and

b. need to be told or shown how to do most of the task.

(2) Semi-skilled. The level of performance achieved by obtaining sufficient theory and practice in the procedures concerned to complete a task under minimum supervision. Personnel -

a. can do most parts of the task, and

b. need help only on hardest parts of the task.

(3) Skilled. This is the experienced, fully qualified level of independent performance carried out, under any condition, using the tools and equipment of the occupation. Personnel who are skilled can -

a. do the complete task quickly and accurately, and

b. tell or show others how to do the task.

(4) Highly Skilled. This is the top performance level of skill applied to the military environment. Usually, it can only be acquired by considerable training and practical experience, and by combining the highest degree of applied knowledge of specific functions with above average dexterity, coordination and accuracy of performance.

3. Interpretations Of Task Involvement, Knowledge and Skill Level Codes. To assist personnel in assigning task involvement, and knowledge and skill level codes, the following guidelines are provided:

a. Da1. Personnel qualified "Da1" have sufficient knowledge and skill to perform the task under close supervision, and

(1) can do simple parts of the task,

(2) need to be told or shown how to do most of the task,

(3) can name major components of the item and the main tools required, and

(4) can state simple facts about the task.

b. Db2. Personnel qualified "Db2" have sufficient knowledge and skill to perform the task under minimum supervision, and

(1) can do most parts of the task,

(2) need help only on the hardest parts, and

(3) can determine step by step procedures for doing the task.

c. Db3. Personnel qualified "Db3" have sufficient knowledge and skill to perform the task independently under any condition, and

(1) can explain the inter-relationship of the basic facts,

(2) describe the general principle involved,

(3) can do the complete task quickly and accurately,

(4) can tell or show others how to do the task,

(5) can analyze facts and principles, and

(6) draw conclusions about the subjects.

d. DSb3. Personnel qualified "DSb3" have the same level of knowledge and skill as "Db3" with the additional requirement to supervise.

e. DSc3. Personnel qualified "DSc3" have sufficient knowledge, skill, experience, and leadership training to -

(1) do all parts of the task,

(2) tell and show others how to do the task,

(3) explain the inter-relationship of each part of the task,

(4) analyze facts and principles,

(5) draw conclusions about the subject,

(6) predict, identify and resolve problems about the task, and

(7) evaluate conditions and make proper decisions about the subject.

f. Sc-. Personnel who are qualified "Sc-" have the knowledge to supervise the task

but are no longer required to retain the skill to do the task.

SECTION 3 - TASK LISTING

OCCUPATIONAL SPECIFICATION - FIRE CONTROL TECHNICIAN (ELECTRONIC) - 432

Serial	Task	QL 5	QL 6A
	MAINTAINS ASSIGNED EQUIPMENT AND SYSTEMS		
1001	Understands mathematics, physics, and chemistry.	-b-	-b-
1002	Understands mathematics and physics related to electronics.	-b-	-b-
1003	Understands base metals and alloys.	-a-	-a-
1004	Understands solid state devices.	-b-	-c-
1005	Understands direct and alternating current theory including motors, generators and controllers.	-b-	-b-
1006	Understands digital and solid state circuitry.	-b-	-c-
1007	Understands digital computers.	-b-	-b-
1008	Understands battery theory.	-b-	-b-
1009	Understands hydraulic theory.	-a-	-a-
1010	Understands optical theory.	-a-	-a-
1011	Understands electro-optical theory.	-b-	-b-
1012	Understands non-destructive testing.	-a-	-a-
1013	Understands syncro servos.	-b-	-b-
1014	Understands principles of angle measure11ent.	-a-	-a-
1015	Understands electrical and electronic workshop practices.	-b-	-b-
1016	Understands machine shop and bench fitting practices.	-b-	-b-
1017	Understands optical and instrument workshop practices.	-b-	-b-
1018	Understands electromagnetic compatability (EMC) and electromagnetic interference (EMI).	-b-	-c-
1019	Understands electro-static discharge.	-b-	-b-
1020	Understands the configuration and operation	-b-	-b-

Serial	Task	QL 5	QL 6A
	of optical, electrical, electronic, electro-mechanical and electro-optical systems.		
1021	Understands the configuration and operation of simulators and trainers.	-b-	-b-
	APPLIES ELECTRICAL AND ELECTRONIC WORKSHOP TECHNIQUES		
1022	Performs cabling and wiring tasks such as splicing, insulating and terminating all types of cables and connectors.	Db3	DSb3
1023	Uses circuit analysis techniques including interpreting wiring diagrams and schematics.	Db3	DSc3
1024	Performs soft soldering.	Db3	DSb3
1025	Performs circuit board soldering.	Db3	DSb3
1026	Uses general purpose electrical test equipment.	Db3	DSb3
1027	Uses general purpose electronic test equipment.	Db3	DSb3
	PERFORMS MACHINE SHOP AND BENCH FITTING TASKS		
1028	Uses common hand tools such as taps, dies, reamers, extractors, files and scrapers.	Db3	DSb3
1029	Uses precision work layout and measuring tools.	Db3	DSb3
1030	Uses hand operated power tools.	Db3	DSb3
1031	Uses machine tools including precision lathes, drill presses, and grinders.	Db3	DSb3
1032	Interprets blueprints and mechanical drawings.	Db3	DSb3
1033	Performs silver soldering.	Db3	DSb3
1034	Prepares mechanical sketches.	Db3	DSb3
	PERFORMS INSTRUMENT AND OPTICAL WORKSHOP TASKS		
1035	Performs decontamination.	Db3	DSb3

Serial	Task	QL 5	QL 6A
1036	Performs pressure testing.	Db3	DSb3
1037	Performs de-aerating and desiccating.	Db3	DSb3
	MAINTAINS ELECTRICAL EQUIPMENT		
1038	Understands safety precautions and procedures.	-b-	-b-
1039	Understands equipment configuration and operating procedures.	-b-	-b-
1040	Understands inspection and diagnosing procedures.	-b-	-b-
1041	Understands repair techniques.	-b-	-b-
1042	Inspects, tests, adjusts, diagnoses faults and repairs electrical equipment including power transformers, electrical motors, generators and controllers, electrical welding equipment, electrical power tools, domestic and commercial appliances, battery charges, automotive components (off vehicle only) (including alternators, generators, starters, and voltage regulators), field force lighting and power distribution kits, and special equipment shelter power distribution system.	Db3	DSb3
	MAINTAINS ELECTRO-MECHANICAL EQUIPMENT		
1043	Understands safety precautions and procedures.	-b-	-b-
1044	Understands equipment configuration and operating procedures.	-b-	-b-
1045	Understands inspection and troubleshooting procedures.	-b-	-b-
1046	Understands repair techniques.	-b-	-b-
1047	Inspects, tests, adjusts, diagnoses faults and repairs, power generating equipment, EOD handling equipment, and target holding equipment.	Db3	DSb3
	MAINTAINS ELECTRONIC EQUIPMENT		

Serial	Task	QL 5	QL 6A
1048	Understands safety precautions and procedures.	-b-	-b-
1049	Understands configuration and operating procedures.	-b-	-b-
1050	Understands inspection and troubleshooting procedures.	-b-	-b-
1051	Understands repair techniques.	-b-	-b-
1052	Inspects, tests, adjusts, diagnoses faults and repairs electronic equipment including the following: a. electronic welding equipments; b. power supplies; c. mine and metal detectors; d. amplifiers; e. electronic controllers; f. battery chargers; g. digital computers; h. automotive voltage regulators; and j. NBC detecting systems.	Db3	DSb3
	MAINTAINS ELECTRO-OPTICAL EQUIPMENT		
1053	Understands safety precautions.	-b-	-b-
1054	Understands configuration and operating procedures.	-b-	-b-
1055	Understands inspection and troubleshooting procedures.	-b-	-b-
1056	Understands repair techniques.	-b-	-b-
1057	Inspects, tests, diagnoses faults, adjusts and repairs thermal imagers.	Db3	DSb3
	LASER SAFETY		
1058	Understands laser characteristics.	-b-	-b-

Serial	Task	QL 5	QL 6A
1059	Understands physiological effects of lasers.	-b-	-b-
1060	Understands the effects of lasers on equipment.	-b-	-b-
1061	Understands the effects of lasers on the environment.	-b-	-b-
1062	Identification of laser hazards.	Db3	Db3
1063	Determine safe lasing targets.	Db3	Db3
1064	Conduct safe operation of lasers in accordance with range standing orders.	Db3	Db3
1065	Co-ordinates the medical surveillance of personnel using lasers in accordance with CFMO 27-13.	Db3	Db3
1066	Report laser accidents and unusual incidents.	Db3	Db3
	MAINTAINS ELECTRICAL AND ELECTRONIC FIRE CONTROL SYSTEMS AND WEAPON ALIGNMENT SYSTEMS INCLUDING ELEVATING, TRAVERSING AND TURRET ELECTRICAL, ELECTRONIC, ELECTRO-MECHANICAL AND ELECTRO-HYDRAULIC CONTROLS		
1067	Understands safety precautions.	-b-	-b-
1068	Understands equipment configuration and operating procedures.	-b-	-b-
1069	Understands repair techniques.	-b-	-b-
1070	Understands inspection and troubleshooting procedures.	-b-	-b-
1071	Inspects, tests and adjusts systems.	Db3	DSb3
1072	Diagnoses repairs and reconditions equipment.	Db3	DSb3
	MAINTAINS MECHANICAL AND ELECTRICAL TEST EQUIPMENT		
1073	Understands safety precautions and procedures.	-b-	-b-
1074	Understands equipment operating procedures.	-b-	-b-

Serial	Task	QL 5	QL 6A
1075	Understands inspection and troubleshooting procedures.	-b-	-b-
1076	Understands calibration standards and requirements.	-b-	-b-
1077	Understands repair techniques.	-b-	-b-
1078	Inspects, tests, adjusts, diagnoses faults and repairs mechanical and electrical test equipment.	Db3	DSb3
	MAINTAINS ELECTRONIC TEST EQUIPMENT		
1079	Understands safety precautions and procedures.	-b-	-b-
1080	Understands equipment configuration and operating procedures.	-b-	-b-
1081	Understands inspection and troubleshooting procedures.	-a-	-b-
1082	Understands calibration standards and requirements.	-b-	-b-
1083	Understands repair techniques.	-b-	-b-
1084	Inspects, tests, adjusts, diagnoses faults and repairs electronic test equipment.	Da2	DSb3
	MAINTAINS BATTERIES (EXCLUDING AUTOMOTIVE)		
1085	Understands safety precautions and procedures.	-b-	-b-
1086	Understands equipment configuration and operating procedures.	-b-	-b-
1087	Understands inspection and troubleshooting procedures.	-b-	-b-
1088	Understands repair techniques.	-b-	-b-
1089	Inspects, tests, services, repairs and reconditions batteries (excluding automotive).	Db3	DSb3
	PRESERVATION		

Serial	Task	QL 5	QL 6A
1090	Preserves and depreserves assigned equipment in accordance with applicable technical instructions.	Db3	DSb3
	PERFORMS TECHNICAL INSPECTIONS OF ASSIGNED EQUIPMENT		
1091	Understands safety precautions and procedures.	-b-	-b-
1092	Understands inspection procedures.	-b-	-b-
1093	Understands fault finding techniques.	-b-	-b-
1094	Understands inspection reporting procedures and documentation.	-b-	-b-
1095	Performs periodic inspections.	Db3	DSb3
	MAINTAINS GUIDED MISSILE SYSTEMS (INCLUDING MOUNTS)		
1096	Understands safety precautions.	-b-	-b-
1097	Understands equipment configuration and operating procedures.	-b-	-b-
1098	Understands repair techniques.	-b-	-b-
1099	Understands inspection and troubleshooting procedures.	-b-	-b-
1100	Inspects, tests, repairs, adjusts and reconditions equipment.	Db3	DSb3
	MAINTAINS SIMULATORS AND TRAINERS		
1101	Understands safety precautions.	-b-	-b-
1102	Understands operating procedures.	-b-	-b-
1103	Understands repair techniques.	-b-	-b-
1104	Understands inspection and troubleshooting procedures.	-b-	-b-
1105	Inspects, tests, repairs, adjusts and reconditions equipment.	Db3	DSb3
	MAINTAINS TOOLS AND TEST EQUIPMENT USED IN THE OCCUPATION		

Serial	Task	QL 5	QL 6A
1106	Understands safety precautions and procedures.	-b-	-b-

SERIAL	TASKS	QL 5
1107	Understands equipment operating procedures.	-b-
1108	Understands inspection and troubleshooting procedures.	-b-
1109	Understands calibration standards and requirements.	-b-
1110	Understands repair techniques.	-b-
1111	Inspects, tests, adjusts and repair tools and test equipment used in the occupation.	Da2
	MAINTAINS POWER DISTRIBUTION SYSTEMS	
	INTEGRAL TO THE MAINTENANCE UNIT OR SUB-UNIT	
1112	Understands safety precautions and procedures.	-b-
1113	Understands distribution system configuration and operating procedures.	-b-
1114	Understands repair techniques.	-b-
1115	Understands inspection and troubleshooting procedures.	-b-
1116	Plans distribution layout.	Db3
1117	Installs power distribution systems.	Db3
1118	Performs vehicle driver maintenance.	Db3
1119	Inspects, tests, diagnosis faults, adjusts and repairs power distribution systems integral to the maintenance unit or sub- unit.	Db3
1120 to 1135	Not allocated.	
	LAND MAINTENANCE SYSTEM (LMS)	
	ADMINISTRATION	
1136	Understands the history of the Land Electrical Mechanical and Engineering (LEME) Branch.	-b-
1137	Understands the function of the LEME Branch Advisor Group including MOC Advisors responsibilities.	-b-
1138	Understands the roles and responsibilities of:	
	a. the LEME Branch; and	-b-
	b. the Land Maintenance System.	-b-
1139	Understands the organization of the LEME Branch including:	-b-
	a. National Defence Headquarters (NDHQ);	
	b. Land Forces Command (LFC);	
	c. Air Command (AIRCOM);	

SERIAL	TASKS	QL 5
	d. Maritime Command (MARCOM);	
	e. Canadian Forces Communication Command (CFCC);	
	f. Canadian Forces Training System (CFTS); and	
	g. Canadian Forces School of Electrical and Mechanical Engineering (CFSEME).	
1140	Understands the roles, tasks and principles of operation of land maintenance organizations.	-b-
1141	Understands the policy, functions and organization of the repair and recovery system.	-a-
1142	Understands the role, organization and characteristics of the Land Field Force:	
	a. Standard Brigade Group; and	-a-
	b. Division.	-a-
1143	Understands the interrelationship amongst Land Field Force field units performing logistics functions.	-a-
1144	Understands the maintenance element and all other elements on a base or station, with particular emphasis on supply, transport and CE.	-a-
1145	Understands Canadian Forces Technical Orders (CFTOs).	-b-
1146	Understands Canadian Forces Organizational Orders (CFOOs).	-
	MANAGEMENT INFORMATION SYSTEM	
1147	Understands the Land Ordnance Maintenance Management Information System (LOMMIS) and its application.	-b-
1148	Understands the Workshop Management System (WMS).	-b-
1149	Understands the Financial Management Information System (FMIS).	-
1150	Understands the Personnel Management Information System (PMIS).	-
1151	Understands the Test Equipment Maintenance Management Information System (TEMMIS).	-
1152	Understands the Electronic Maintenance Management Information System (EMMIS).	-
	REPORTS & RETURN	
1153	Understands reports, returns, scales and submissions including:	
	EQUIPMENT	
	a. Unsatisfactory Condition Reports (UCRs);	-a-
	b. Technical Failure Reports (TFRs);	-a-
	c. Material Authorization Change Requests (MACRs);	-a-

SERIAL		TASKS	QL 5
	d.	Mobile Support Equipment Establishment Change Requests (MSEECRs);	-a-
	e.	Canadian Field Force Equipment Tables (CFFETs);	-a-
	f.	Canadian Forces Scales 2 and 6 - Accommodation (CFS2/CFS6);	-a-
	g.	Communication Requirement Requests (CRRs) and Automatic Data Processor (ADP) Requisitions;	-a-
	h.	Provisional Condemnation Certificates (PCCs);	-a-
	j.	suggestions from the Suggestion Award Program;	-a-
	k.	Land Maintenance work orders;	-b-
	l.	CF1184 Inspection Summary; and	-a-
	m.	Attrition Warning Report (AWR).	-
	MANPOWER		
	n.	Special Personnel Qualification Requirements (SPQRs);	-
	p.	Establishment Change Proposals (ECPs); and	-
	q.	On Site Establishment Evaluation Reviews (OSEERs).	-
	TECHNICAL ADMINISTRATION/CLERICAL		
1154	Maintains and amends technical publications and instructions.		Db2
1155	Interprets reports, records, drawings and specifications.		Aa1
1156	Administers and maintains appropriate WMS/LOMMIS data base and proforma.		Db2
1157	Perform Land Maintenance System maintenance management functions:		
	a.	controls and plans using WMS procedures;	-
	b.	interpret and evaluate maintenance management information using LOMMIS/WMS ADP produced data to measure workshop performance.	-
1158	Prepares the following technical correspondence:		
	a.	visit, inspection and technical reports;	Aa1
	b.	maintenance instructions;	-
	c.	estimates, project and trial reports;	-
	d.	specifications; and	-
	e.	briefs and service papers.	-
	LIFE CYCLE MANAGEMENT SYSTEM		
1159	Understands the role and duties of Life Cycle Material Managers (LCMMs) and Supply Item Managers (SIMs).		-
1160	Prepares statements of technical requirements for development and acquisition of new land systems and equipment.		-

SERIAL	TASKS	QL 5
1161	Prepares, acquires, revises and analyses technical documents and design data.	-
1162	Formulates and coordinates maintenance plans.	-
1163	Investigates and provides technical advice on accidents, incidents and equipment failures by:	
	a. initiating UCRs, TFRs, and other reports as required; and	Da1
	b. analyzing technical reports.	-
1164	Evaluates, implements and monitors modifications.	-
1165	Controls equipment configuration.	-a-
1166	Condemns and coordinates the disposal of equipment.	-a-
1167	Not allocated.	
1168	Initiates and coordinates the tasking of test sites and facilities.	-
1169	Examines, inspects and maintains equipment by:	
	a. implementing and coordinating maintenance policies;	Aa1
	b. forecasting, scheduling and monitoring equipment technical inspections;	Da1
	c. preparing and conducting equipment technical inspections;	Db2
	d. assigning equipment condition classification;	Db2
	e. assessing and advising of equipment operational fitness;	Db2
	f. assigning equipment repair priorities;	Db2
	g. evaluating and proposing corrective maintenance actions;	Da1
	h. evaluating inspection data for preventive maintenance indicators;	Aa1
	j. scheduling and conducting preventive and corrective maintenance actions;	Db2
	k. advising of the probable cause of equipment failures;	Db1
	m. coordinating of calibration of equipment; and	Da1
	n. maintaining equipment history documents/records.	Db2
1170	Assists the Project Engineer on major Crown projects or coordinates and supervises minor projects, trials and equipment evaluations by:	
	a. planning, coordinating, evaluating and reporting on projects, user and engineering trials and evaluations;	-
	b. defining the capabilities of the equipment;	-
	c. collecting reliability and maintainability data;	-
	d. advising on equipment design as it affects performance procedures and maintenance policies; and	-

SERIAL	TASKS	QL 5
	e. developing and preparing maintenance procedures.	-
1171	Initiates and coordinates equipment repair by civilian contract, including warranty work.	-
	BATTLE DAMAGE REPAIR (BDR)	
1172	Possesses a knowledge of:	
	a. the theories and principles of repair for battle damage to land equipment or systems; and	-a-
	b. techniques to destroy equipment to deny access to enemy.	-a-
1173	Understands the technology related to:	
	a. weapons systems;	-
	b. mobility systems; and	-
	c. other mechanical, hydraulic, optical, electrical and electronic systems.	-
1174	Coordinates expedient repairs on battle damaged equipment.	-
	INVENTORY CONTROL	
1175	Understands the Canadian Forces Supply System (CFSS) procedures and functions relevant to the LMS.	-b-
1176	Orders and pre-orders parts.	Db2
1177	Hastens parts.	Da2
1178	Accounts for parts.	Db2
1179	Sets stock min-max levels.	Da1
1180	Implements manufacturing procedure policies.	-
1181	Implements special repair procedure policies.	-
1182	Scales parts.	Da1
1183	Purges parts.	Da1
1184	Administers distribution accounts.	Da1
	FINANCES	
1185	Understands Section 33 and 34 of the Financial Administration act.	-
1186	Forecasts, prepares and reviews budgets.	-
1187	Manages resource codes.	-
	MANPOWER	
	CIVILIAN EMPLOYEES	
1188	Understands the management of civilian employees including disciplinary procedures, grievance procedures, counselling techniques, personnel evaluation reporting procedures, position analysis schedules, civilian regulations, collective	-a-

SERIAL	TASKS	QL 5
	agreements, civilian administration, and management theories and techniques.	
1189	Evaluates personnel performance.	-
1190	Monitors and updates employment records.	-
1191	Counsels civilian personnel.	-
1192	Prepares and reviews Position Analysis Schedules (PASs).	-
	EMPLOYMENT AND TRAINING OF PERSONNEL	
1193	Understands training requirements.	-a-
1194	Understands the current LEME occupation specifications.	-a-
1195	Plans, forecasts, schedules and coordinates on-job training (OJT) programs and conducting OJT and currency training.	-
1196	Prepares Workshop/Maintenance Unit Collective Training Plan.	-
	WORK ENVIRONMENT	
	DECONTAMINATION OF EQUIPMENT	
1197	Understands the effects of decontaminating agents on material.	-b-
1198	Understands the effects of chemical and radiological agents on materials.	-b-
1199	Understands decontamination equipment and procedures for decontamination of materials.	-b-
1200	Operates chemical and radiation detection equipment.	Db3
1201	Decontaminates equipment casualties.	Db3
	SAFETY	
1202	Understands fire, industrial, LASER, radiation, ammunition and explosives, hazardous waste and environmental hazards.	-b-
1203	Promotes safety practices, monitors, maintains and uses safety devices and equipment applicable to fire prevention, accident prevention, industrial safety, LASER safety, radiation safety, ammunition and explosives safety, hazardous waste disposal, and WHMIS.	Db3
	SECURITY	
1204	Understands security requirements for equipment being maintained.	-b-
1205	Promotes security practices, monitors, maintains and uses security devices and facilities to secure equipment being maintained.	Db3
	LMS IN THE FIELD	
1206	Understands the principles of movement, deployment and defence of Land Maintenance elements in the field including:	
	a. individuals;	-b-

SERIAL	TASKS	QL 5
	b. mobile repair/recovery teams;	-b-
	c. platoons; and	-a-
	d. companies.	-
1207	Understands the characteristics and safety precautions for current company level weapons.	-b-
1208	Holds, aims, fires and performs user maintenance on current hand held, hand controlled weapons and shoulder controlled weapons, grenades and company level weapons such as machine guns and anti-tank weapons.	Db3
1209	Lives and works under field conditions by maintaining personal hygiene and sanitation, and effectively using Land operational clothing and equipment.	Db3
1210	Performs in unit protection and defensive drills such as mine laying operations, searches for mines and booby traps, ground and air sentry duties, fieldcraft movement, camouflage and concealment of equipment, digging and camouflaging fire trenches, target detection and indication, and responding to field signals and fire orders.	Db2
1211	Plans and conducts platoon level defensive area clearance operation.	-
1212	Selects and lays out defensive and firing positions for a Land Maintenance:	
	a. individual;	Db3
	b. section;	-a-
	c. platoon; and	-a-
	d. company.	-
1213	Interprets and marks battle maps, selects routes and prepares route cards.	Db2
1214	Operates SMP vehicles up to and including MLVW with and without trailers.	Db3
1215	Participates in moves such as:	
	a. on foot cross country movements by day and night; and	Db3
	b. tactical and non-tactical road movements using standard convoy drills and procedures.	Da2
1216	Operates current tactical communications equipment common to the maintenance organization.	Db2
1217	Prepares administration orders and movement orders for a Land Maintenance organization of platoon size or greater.	-
1218	Appraises the tactical situation applicable to the Land Maintenance units of platoon size or greater.	-
1219	Operates a Land Maintenance command post at:	
	a. platoon level; and	-
	b. company level.	-

SERIAL	TASKS	QL 5
1220 to 1999	Not allocated.	

Fire Control Technician (Optronic) 433 Trade (1993)

OCCUPATIONAL SPECIFICATION

FIRE CONTROL TECHNICIAN (OPTRONIC) - MOC 433

SECTION 1

INTRODUCTION

1. This specification describes the Regular Force occupation of Fire Control Technician (Optronic) (FCT (OPTR)) MOC 433, which is one of four occupations in the Fire Control Systems (Land) Career Field.

2. Occupational Specialty Qualifications (OSQs) applicable to the FCT (OPTR) occupation are listed in A-PD-055-001/AG-001 and the related Occupational Specialty Specifications (OSSs) are contained in A-PD-055-003/PQ-001.

3. The members of the FCT (OPTR) occupation, as serving members of the Canadian Forces, are required to maintain the standards detailed in the General Specification Non-Commissioned Members (A-PD-055-001/AG-001).

SCOPE

4. The functions of the occupation are categorized as duties and tasks. The major functions of the FCT (OPTR) are as follows:

a. maintains electro-mechanical, electro-optical, optical instrument and mechanical instrument equipments and systems;

b. maintains fire control systems including optical observing and sighting instruments, mechanical mounts and other aiming devices;

c. maintains surveying equipment including optical angle measuring and distance measuring devices;

d. maintains electro-optical night viewing and LASER devices;

e. maintains miscellaneous electro-mechanical instruments and equipments such as meters, gauges, north-seeking devices and motion and still picture projectors;

f. may be required to maintain simulators and trainers;

g. sets up and operates test equipment to determine the serviceability of equipment and complete systems;

h. exercises initiative in devising methods of testing and repairing equipments assigned to the occupation;

j. performs decontamination of occupation assigned equipment with integral ionizing radiation sources;

k. provides technical advice in matters pertaining to the occupation;

m. performs the tasks of the ELM TECH MOC 431 as required;

n. operates vehicles organic to maintenance units;

p. performs maintenance on general purpose and special tools and test equipment used in the occupation.

q. carries out defect and accident investigations and suggests modifications on equipment relevant to the occupation;

r. uses, amends and develops maintenance documents and publications dealing with repair instructions, scales, tools and test equipment;

s. originates and evaluates technical reports, returns and correspondence;

t. performs control and accounting tasks including administration of civilian contracts, distribution accounts and other maintenance resources;

u. manages civilian and military personnel;

v. instructs subordinates in their duties;

w. conducts on-job training and instructional duties as required;

x. advises or instructs other occupations in the performance of operator maintenance or servicing;

y. performs NBCD duties appropriate to employment;

z. performs duties and activities common to the military environment and related to operational employment of maintenance sub-units; and

aa. promotes safe practices associated with fire, industrial, LASER, radiation and environmental safety programs.

WORKING CONDITIONS

5. a. Physical. In static units, work is usually performed in heated and well-lighted workshops. In field units, work is performed in mobile vans, temporary or improvised shelters or in the open. Work may be performed under adverse environmental conditions such as extreme heat, cold, obnoxious odours, noise, wet, or dust and dirt. Conditions may also necessitate the need to wear cumbersome protective clothing or equipment, to work in cramped quarters and to work over extended periods of time. In performing work, the technician lifts and manipulates parts and components ranging in weight from light to extremely heavy. The possession of a high degree of dexterity and co-ordination are essential requirements.

b. Stress. Mental stress in the occupation is moderate under ordinary conditions but increases when repairs must be expedited under adverse environmental or operational conditions, or when intense concentration and manual dexterity are maintained for extended periods of time.

c. Consequence of Error. Error, neglect or poor judgement in operational and

maintenance procedures may result in death or injury to operators, destruction or damage to the equipment, or reduction of combat efficiency. Improper fault diagnosis can result in excessive repair costs, prolonged loss of use of equipment and loss of confidence in the equipment by the operator.

d. Occupational Hazards. Injury or death can result from electrical shock, moving parts, or burns. Personnel are also exposed to the following hazards:

(1) cuts, punctures, bruises and skin irritation from cleaning, refinishing, preserving and POL products,

(2) skin and eye injury from acids and alkalines,

(3) exposure to LASER and radio-active sources, and

(4) combat hazards.

SPECIAL REQUIREMENTS

6. The following special requirements for this occupation are promulgated in various official publications. This information was verified as correct on 10 Jun 88 but may have been subsequently amended. DPCAOR is the coordinating authority for this information and any queries or suggested changes should be addressed through DPCAOR. This information is published in this specification for information only:

a. Medical Standards. Medical standards for the Canadian Forces are governed by A-MD-154-000/FP-000. The minimum medical standards for initial assignment to the FCT (OPTR) occupation are included below.

V	CV	H	G	O	A
4	2	3	2	2	5

NOTE: It is emphasized that Medical Standards shown above are for initial assignment of personnel to the occupation. Experienced personnel who have their medical category lowered will be considered for retention on their merit by a Career Medical Review Board in accordance with CFAO 34-26.

b. Language. The second language objective for NCMs of the Military Police occupation is to ensure that eventually there will be sufficient bilingual personnel available to man each position requiring a bilingual incumbent. Based on the analysis of the CF bilingualism requirements and the individual's aptitude, NCMs selected for second language training are to meet the Functional (F) level described in A-PD-001-000/AG-001, Military Second Language Training and Certification Testing Specifications.

c. Security Clearance. The requirement for a general occupation security clearance is determined by a review of positions normally employing this occupation. A minimum security clearance of CONFIDENTIAL is required for the FCT (OPTR) occupation.

d. Education. The educational standards for enrolment in the Canadian Forces and in this occupation are described in CFAO 6-1 and in Recruiting Directives and Personnel Selection Directives issued by DRS and DPSRSC respectively.

e. Occupational Physical Selection Standard (OPSS). This occupation is allocated to

OPSS Category C as defined in Recruiting Directive 2/87.

RELATED OCCUPATIONAL SPECIFICATIONS

7. Reserves. There is no Reserve Occupation or Specification related to this occupation.

8. Mobilization. The related Mobilization Occupational Specifications are published in A-PD-123-005/PP-003 and are listed below for information:

M433B	Fire Control Technician (Optronic) - Optical Instrument	FCT(OPTR)-OPT INST
M433C	Fire Control Technician (Optronic) - Armoured	FCT(OPTR)-ARMD
M433D	Fire Control Technician (Optronic) - Artillery	FCT(OPTR)-ARTY
M433E	Fire Control Technician (Optronic) - Missiles	FCT(OPTR)-MSL
M433F	Fire Control Technician (Optronic) - Survey Instruments	FCT(OPTR)-SVY INST

FIRE CONTROL TECHNICIAN (OPTRONIC)

SECTION 2 - OCCUPATION PROGRESSION PROFILE

INTRODUCTION

1. Occupation progression in the FCT(OPTR) occupation is through the various qualification levels from Qualification Level (QL) 5 to 6A. Progression beyond QL6A is by occupation transfer to the Fire Control Systems Technician Land occupation. The requirements for rank progression are detailed in the General Specification Non-Commissioned Members and CFAO 49-4 Career Policy - Members Other Than Officers - Regular Force.

METHOD OF QUALIFICATION

2. The following table outlines the method of qualification level for the FCT(OPTR) occupation based on requirements detailed by Section 3:

LEVEL	METHOD OF QUALIFICATION
QL 5	Formal occupation course.
QL 6A	Formal occupation course.

3. The above is promulgated for information on occupation progression only. Appropriate Course Training Standard Writing Boards may determine that a change in the method of qualification is required after promulgation of this Occupational Specification (OS).

FIRE CONTROL TECHNICIAN (OPTRONIC)

SECTION 3 - TASK LISTING

1. This Section specifies the task statements, the task involvement, and the levels of knowledge and skill required by personnel to qualify for entrance to each Qualification Level (QL). The coded format used is:

TASK INVOLVEMENT	KNOWLEDGE	SKILL
A - Assist In	a - Basic	1 - Limited Skill
D - Do	b - Detailed	2 - Semi-skilled
DS - Do and Supervise	c - Comprehensive	3 - Skilled
S - Supervise	d - Complete	4 - Highly Skilled

Notes: 1. The specified level of knowledge and skill states the minimum standard required for effective performance of each task.

2. The minimum level of task involvement, knowledge and skill required for independent performance is "Db3".

2. Definitions of task involvement, knowledge and skill are as follows:

a. Task Involvement

(l) Assist In. Help someone else to perform the task.

(2) Do. Perform the task independently or under supervision. If the task is performed under supervision, the extent of supervision necessary can be determined by the level of knowledge and skill required to perform the task.

(3) Do and Supervise. Sometimes perform and other times supervise the task.

(4) Supervise. Give orders or instructions followed up by personal observation and monitoring of the task to ensure compliance with standards.

b. Knowledge. In a specification, "knowledge" may refer to "subject" or "task statement" knowledge.

(l) Basic Knowledge. A rudimentary knowledge of the subject matter which can be acquired in a relatively short period of time. Personnel can -

a. name the major components of the item and the major tools required, and

b. state simple facts about the task and subject.

(2) Detailed Knowledge. The knowledge required to perform the task efficiently. Personnel can -

a. explain the inter-relationship of basic facts, and

b. describe the general principles involved.

(3) Comprehensive Knowledge. A wide scope of in depth knowledge of a particular field, or breadth of knowledge of a large number of related fields, theories, and techniques and procedures: or, a substantial amount of specialized information and extensive experience to cope with a diversity of situations. Personnel can explain -

a. why and when the task must be performed, and

b. the reason for each step.

(4) Complete Knowledge. A thorough knowledge of the techniques and procedures particular to a sphere of activity and a firmunderstanding of its application in other fields of endeavour. This level of knowledge usually requires extensive training and experience.

c. Skill

(l) Limited Skill. The learner level of performance based on practical instruction, demonstration and practice performed under supervision. It is the level of skill from which further progress can be made by practice and experience. Personnel -

a. can do simple parts of the task, and

b. need to be told or shown how to do most of the task.

(2) Semi-skilled. The level of performance achieved by obtaining sufficient theory and practice in the procedures concerned to complete a task under minimum supervision. Personnel -

a. can do most parts of the task, and

b. need help only on hardest parts of the task.

(3) Skilled. This is the experienced, fully qualified level of independent performance carried out, under any condition, using the tools and equipment of the occupation. Personnel who are skilled can -

a. do the complete task quickly and accurately, and

b. tell or show others how to do the task.

(4) Highly Skilled. This is the top performance level of skill applied to the military environment. Usually, it can only be acquired by considerable training and practical experience, and by combining the highest degree of applied knowledge of specific functions with above average dexterity, coordination and accuracy of performance.

3. Interpretations Of Task Involvement, Knowledge and Skill Level Codes. To assist personnel in assigning task involvement, and knowledge and skill level codes, the following guidelines are provided:

a. Da1. Personnel qualified "Da1" have sufficient knowledge and skill to perform the task under close supervision, and

(1) can do simple parts of the task,

(2) need to be told or shown how to do most of the task,

(3) can name major components of the item and the main tools required, and

(4) can state simple facts about the task.

b. Db2. Personnel qualified "Db2" have sufficient knowledge and skill to perform the task under minimum supervision, and

(1) can do most parts of the task,

(2) need help only on the hardest parts, and

(3) can determine step by step procedures for doing the task.

c. Db3. Personnel qualified "Db3" have sufficient knowledge and skill to perform the task independently under any condition, and

(1) can explain the inter-relationship of the basic facts,

(2) describe the general principle involved,

(3) can do the complete task quickly and accurately,

(4) can tell or show others how to do the task,

(5) can analyze facts and principles, and

(6) draw conclusions about the subjects.

d. DSb3. Personnel qualified "DSb3" have the same level of knowledge and skill as "Db3" with the additional requirement to supervise.

e. DSc3. Personnel qualified "DSc3" have sufficient knowledge, skill, experience, and leadership training to -

(1) do all parts of the task,

(2) tell and show others how to do the task,

(3) explain the inter-relationship of each part of the task,

(4) analyze facts and principles,

(5) draw conclusions about the subject,

(6) predict, identify and resolve problems about the task, and

(7) evaluate conditions and make proper decisions about the subject.

f. Sc-. Personnel who are qualified "Sc-" have the knowledge to supervise the task

but are no longer required to retain the skill to do the task.

SERIAL	DUTIES/TASKS	QL 5	QL6A
	MAINTAINS ASSIGNED EQUIPMENT AND SYSEMS		
1001	Understands career field related mathematics, physics and chemistry.	-b-	-b-
1002	Understands mathematics and physics related to thick lens theory.	-	-b-
1003	Understands base metal and alloys.	-a-	-a-
1004	Understands solid state devices.	-b-	-b-
1005	Understands direct and alternating current theory.	-b-	-b-
1006	Understands solid state circuitry.	-b-	-b-
1007	Understands digital theory.	-a-	-a-
1008	Understands optical theory.	-b-	-c-
1009	Understands battery theory.	-b-	-b-
1010	Understands synchro-servos.	-a-	-a-
1011	Understands thick lens theory.	-	-b-
1012	Understands LASER theory.	-b-	-b-
1013	Understands electro-optical theory.	-b-	-b-
1014	Understands principles of angle measurement.	-b-	-c-
1015	Understands machine shop and bench fitting practices.	-b-	-b-
1016	Understands electrical and electronic workshop practices.	-b-	-b-
1017	Understands optical and instrument workshop practices.	-b-	-b-
1018	Understands non destructive testing.	-a-	-a-
1019	Understands electro-static discharge.	-b-	-b-
1020	Understands electromagnetic compatability (EMC) and electromagnetic interference principles.	-b-	-c-
1021	Understands hydraulic theory.	-a-	-a-

1022 Understands the configuration and operation of the following system:

a. optical; -b- -c-

b. electrical; -b- -b-

c. electronic; -b- -b-

d. electro-optical; and -b- -b-

e. electro-mechanical. -b- -b-

1023 Understands the configuration and operation of simulators and trainers. -a- -a-

PERFORMS MACHINE SHOP AND BENCH FITTING TASKS

1024 Uses common hand tools such as taps, dies, reamers, extractors, files and scrapers. Db3 DSb3

1025 Uses precision work layout and measuring tools. Db3 DSb3

1026 Uses hand operated power tools. Db3 DSb3

1027 Uses the machine tools including engine and jewellers lathes, drill presses, and grinders. Db3 DSb3

1028 Performs precision lapping. Db2 DSb3

1029 Interprets blueprints and mechanical drawings. Db3 DSb3

1030 Performs silver soldering. Db3 DSb3

APPLIES ELECTRICAL AND ELECTRONIC WORKSHOP TECHNIQUES

1031 Performs cabling and wiring tasks such as splicing, insulating and terminating all types of cables and connectors. Db3 DSb3

1032 Uses circuit analysis techniques including interpreting and preparing wiring diagrams and schematics. Db3 DSb3

1033 Performs soft soldering. Db3 DSb3

1034 Performs circuit board soldering. Db3 DSb3

SERIAL	DUTIES/TASKS	QL 5 QL6A
1035	Uses electrical and electronic general purpose test equipment.	Db3 DSb3
	PERFORMS INSTRUMENT AND OPTICAL WORKSHOP TASKS	
1036	Cleans and polishes instruments and optics.	Db3 DSb3
1037	Performs decontamination.	Db3 DSb3
1038	Performs sealing and pressure testing.	Db3 DSb3
1039	Performs de-aerating and desiccating.	Db3 DSb3
1040	Performs refinishing.	Db3 DSb3
1041	Sets and aligns test equipment and adapters.	Db3 DSb3
1042	Interprets optical and mechanical drawings and schematics.	Db3 DSb3
1043	Prepares optical and mechanical sketches.	Db3 DSb3
1044	Performs setting of level vials.	Db3 DSb3
	MAINTAINS MECHANICAL INSTRUMENT EQUIPMENT	
1045	Understands safety precautions.	-b- -b-
1046	Understands equipment configuration and operation.	-b- -c-
1047	Understands inspection and troubleshooting procedures.	-b- -c-
1048	Understands repair techniques.	-b- -c-
1049	Inspects, tests, diagnoses faults, adjusts and repairs aiming posts, quadrants, sight mounts, tripods, plotting boards, fuse setters and magnetic compasses.	Db3 DSb3
	MAINTAINS OPTICAL INSTRUMENT EQUIPMENT	
1050	Understands safety precautions.	-b- -b-
1051	Understands equipment configuration and operation.	-b- -c-
1052	Understands inspection and troubleshooting procedures.	-b- -c-

1053 Understands repair techniques.	-b-	-c-
1054 Inspects, tests, diagnoses faults, adjusts and repairs sighting and observing equipments including telescopes, boresights, binoculars, periscopes and collimators.	Db3	DSb3
1055 Inspects, tests, diagnoses faults, adjusts and repairs distance and angle measuring instruments including:	Db3	DSb3
a. aiming circles;	Db3	DSb3
b. panoramic telescopes;	Db3	DSb3
c. binocular periscopes;	Db3	DSb3
d. surveying instruments; and	Aa2	DSb3
e. sight units.	Db3	DSb3

MAINTAINS ELECTRO-OPTICAL EQUIPMENT

1056 Understands safety precautions.	-b-	-b-
1057 Understands equipment configuration and operating procedures.	-b-	-c-
1058 Understands inspection and troubleshooting procedures.	-b-	-c-
1059 Understands repair techniques.	-b-	-c-
1060 Inspects, tests, diagnoses faults, adjusts and repairs electro-optical equipment including the following:		
a. night viewing and sighting equipment;	Db3	DSb3
b. LASER range finders; and	Db2	DSb3
c. steady scope.	Db3	DSb3

LASER SAFETY

1061 Understands laser characteristics.	-b-	-b-
1062 Understands physiological effects of lasers.	-b-	-b-
1063 Understands the effects of lasers on equipment.	-b-	-b-

SERIAL	DUTIES/TASKS	QL 5	QL6A
1064	Understands the effects of lasers on the environment.	-b-	-b-
1065	Identification of laser hazards.	Db3	Db3
1066	Determine safe lasing targets.	Db3	Db3
1067	Conduct safe operation of lasers in accordance with range standing orders.	Db3	Db3
1068	Co-ordinates the medical surveillance of personnel using lasers in accordance with CFMO 27-13.	Db3	Db3
1069	Report laser accidents and unusual incidents.	Db3	Db3
	MAINTAINS ELECTRO-MECHANICAL EQUIPMENT		
1070	Understands safety precautions and procedures.	-b-	-b-
1071	Understands equipment configuration and operating procedures.	-b-	-b-
1072	Understands inspection and troubleshooting procedures.	-b-	-b-
1073	Understands repair techniques.	-b-	-b-
1074	Inspects, tests, adjusts, diagnoses faults and repairs motion, still picture projectors and field force copiers.	Db3	DSb3
	MAINTAINS WEAPON ALIGNMENT SYSTEMS (ELEVATING AND TRAVERSING) AND TURRET ELECTRO-MECHNICAL AND ELECTRO-HYDRAULIC CONTROLS		
1075	Understands safety precautions.	-b-	-b-
1076	Understands equipment configuration and operating procedures.	-b-	-b-
1077	Understands repair techniques.	-b-	-b-
1078	Understands inspection and troubleshooting procedures.	-b-	-b-
1079	Inspects, tests, adjusts, diagnoses, repairs and reconditions equipment.	Db3	DSb3
	MAINTAINS METERS AND GUAGES		

1080	Understands safety precautions and procedures.	-b- -b-
1081	Understands equipment configuration and operating procedures.	-b- -b-
1082	Understands inspection and troubleshooting procedures.	-b- -b-
1083	Understands repair techniques.	-b- -b-
1084	Inspects, tests, adjusts, diagnoses faults, repairs and calibrates tachometers, speedometers, odometers, and hourmeters, vacuum, temperature and pressure gauges.	Db3 DSb3
	MAINTAINS MECHANICAL TEST EQUIPMENT	
1085	Understands safety precautions and operating procedures.	-b- -b
1086	Understands inspection and troubleshooting procedures.	-b- -b-
1087	Understands calibration standards and requirements.	-b- -b-
1088	Understands repair techniques.	-b- -b-
1089	Inspects, tests, adjusts, diagnoses faults, repairs and calibrates mechanical test equipment.	Db3 DSb3
	PRESERVATION	
1090	Preserves and depreserves assigned equipment in accordance with applicable technical instructions.	Db3 DSb3

Serial	Tasks	QL 5
	PERFORMS TECHNICAL INSPECTIONS OF ASSIGNED EQUIPMENT	
1091	Understands safety precautions and procedures.	-b-
1092	Understands inspection procedures.	-b-
1093	Understands fault finding techniques.	-b-
1094	Understands inspection reporting procedures and documentation.	-b-
1095	Performs quality control and assurance.	Db3
1096	Performs supply stores inspections.	Db3
1097	Performs periodic inspections.	Db3
	MAINTENANCE GENERAL	
1098	Maintains tools and optical and mechanical test equipment used in the occupation.	Db3
	MAINTAINS POWER DISTRIBUTION SYSTEMS INTEGRAL	
	TO THE MAINTENANCE UNIT OR SUB-UNIT	
1099	Understands safety precautions and procedures.	-b-
1100	Understands distribution system configurations and operating procedures.	-b-
1101	Understands repair techniques.	-b-
1102	Understands inspection and troubleshooting procedures.	-b-
1103	Plans distribution layout.	Db3
1104	Installs power distribution systems integral to the maintenance unit or sub-unit.	Db3
1105	Inspects, tests, diagnoses faults, adjusts and repairs power distribution systems integral to the maintenance unit or sub-unit.	Db3
1106 to 1135	Not allocated.	
	LAND MAINTENANCE SYSTEM (LMS)	
	ADMINISTRATION	
1136	Understands the history of the Land Electrical Mechanical and Engineering (LEME) Branch.	-b-
1137	Understands the function of the LEME Branch Advisor Group including MOC Advisors responsibilities.	-b-
1138	Understands the roles and responsibilities of:	
	a. the LEME Branch; and	-b-
	b. the Land Maintenance System.	-b-
1139	Understands the organization of the LEME Branch including:	-b-
	a. National Defence Headquarters (NDHQ);	

Serial	Tasks	QL 5
	b. Land Forces Command (LFC);	
	c. Air Command (AIRCOM);	
	d. Maritime Command (MARCOM);	
	e. Canadian Forces Communication Command (CFCC);	
	f. Canadian Forces Training System (CFTS); and	
	g. Canadian Forces School of Electrical and Mechanical Engineering (CFSEME).	
1140	Understands the roles, tasks and principles of operation of land maintenance organizations.	-b-
1141	Understands the policy, functions and organization of the repair and recovery system.	-a-
1142	Understands the role, organization and characteristics of the Land Field Force:	
	a. Standard Brigade Group; and	-a-
	b. Division.	-a-
1143	Understands the interrelationship amongst Land Field Force field units performing logistics functions.	-a-
1144	Understands the maintenance element and all other elements on a base or station, with particular emphasis on supply, transport and CE.	-a-
1145	Understands Canadian Forces Technical Orders (CFTOs).	-b-
1146	Understands Canadian Forces Organizational Orders (CFOOs).	-
	MANAGEMENT INFORMATION SYSTEM	
1147	Understands the Land Ordnance Maintenance Management Information System (LOMMIS) and its application.	-b-
1148	Understands the Workshop Management System (WMS).	-b-
1149	Understands the Financial Management Information System (FMIS).	-
1150	Understands the Personnel Management Information System (PMIS).	-
1151	Understands the Test Equipment Maintenance Management Information System (TEMMIS).	-
1152	Understands the Electronic Maintenance Management Information System (EMMIS).	-
	REPORTS & RETURN	
1153	Understands reports, returns, scales and submissions including:	
	EQUIPMENT	
	a. Unsatisfactory Condition Reports (UCRs);	-a-
	b. Technical Failure Reports (TFRs);	-a-
	c. Material Authorization Change Requests (MACRs);	-a-
	d. Mobile Support Equipment Establishment Change Requests (MSEECRs);	-a-
	e. Canadian Field Force Equipment Tables (CFFETs);	-a-

Serial	Tasks	QL 5
	f. Canadian Forces Scales 2 and 6 - Accommodation (CFS2/CFS6);	-a-
	g. Communication Requirement Requests (CRRs) and Automatic Data Processor (ADP) Requisitions;	-a-
	h. Provisional Condemnation Certificates (PCCs);	-a-
	j. suggestions from the Suggestion Award Program;	-a-
	k. Land Maintenance work orders;	-b-
	l. CF1184 Inspection Summary; and	-a-
	m. Attrition Warning Report (AWR).	-
	MANPOWER	
	n. Special Personnel Qualification Requirements (SPQRs);	-
	p. Establishment Change Proposals (ECPs); and	-
	q. On Site Establishment Evaluation Reviews (OSEERs).	-
	TECHNICAL ADMINISTRATION/CLERICAL	
1154	Maintains and amends technical publications and instructions.	Db2
1155	Interprets reports, records, drawings and specifications.	Aa1
1156	Administers and maintains appropriate WMS/LOMMIS data base and proforma.	Db2
1157	Perform Land Maintenance System maintenance management functions:	
	a. controls and plans using WMS procedures;	-
	b. interpret and evaluate maintenance management information using LOMMIS/WMS ADP produced data to measure workshop performance.	-
1158	Prepares the following technical correspondence:	
	a. visit, inspection and technical reports;	Aa1
	b. maintenance instructions;	-
	c. estimates, project and trial reports;	-
	d. specifications; and	-
	e. briefs and service papers.	-
	LIFE CYCLE MANAGEMENT SYSTEM	
1159	Understands the role and duties of Life Cycle Material Managers (LCMMs) and Supply Item Managers (SIMs).	-
1160	Prepares statements of technical requirements for development and acquisition of new land systems and equipment.	-
1161	Prepares, acquires, revises and analyses technical documents and design data.	-
1162	Formulates and coordinates maintenance plans.	-

Serial	Tasks	QL 5
1163	Investigates and provides technical advice on accidents, incidents and equipment failures by:	
	a. initiating UCRs, TFRs, and other reports as required; and	Da1
	b. analyzing technical reports.	-
1164	Evaluates, implements and monitors modifications.	-
1165	Controls equipment configuration.	-a-
1166	Condemns and coordinates the disposal of equipment.	-a-
1167	Not allocated.	
1168	Initiates and coordinates the tasking of test sites and facilities.	-
1169	Examines, inspects and maintains equipment by:	
	a. implementing and coordinating maintenance policies;	Aa1
	b. forecasting, scheduling and monitoring equipment technical inspections;	Da1
	c. preparing and conducting equipment technical inspections;	Db2
	d. assigning equipment condition classification;	Db2
	e. assessing and advising of equipment operational fitness;	Db2
	f. assigning equipment repair priorities;	Db2
	g. evaluating and proposing corrective maintenance actions;	Da1
	h. evaluating inspection data for preventive maintenance indicators;	Aa1
	j. scheduling and conducting preventive and corrective maintenance actions;	Db2
	k. advising of the probable cause of equipment failures;	Db1
	m. coordinating of calibration of equipment; and	Da1
	n. maintaining equipment history documents/records.	Db2
1170	Assists the Project Engineer on major Crown projects or coordinates and supervises minor projects, trials and equipment evaluations by:	
	a. planning, coordinating, evaluating and reporting on projects, user and engineering trials and evaluations;	-
	b. defining the capabilities of the equipment;	-
	c. collecting reliability and maintainability data;	-
	d. advising on equipment design as it affects performance procedures and maintenance policies; and	-
	e. developing and preparing maintenance procedures.	-
1171	Initiates and coordinates equipment repair by civilian contract, including warranty work.	-
	BATTLE DAMAGE REPAIR (BDR)	
1172	Possesses a knowledge of:	

Serial	Tasks	QL 5
	a. the theories and principles of repair for battle damage to land equipment or systems; and	-a-
	b. techniques to destroy equipment to deny access to enemy.	-a-
1173	Understands the technology related to:	
	a. weapons systems;	-
	b. mobility systems; and	-
	c. other mechanical, hydraulic, optical, electrical and electronic systems.	-
1174	Coordinates expedient repairs on battle damaged equipment.	-
	INVENTORY CONTROL	
1175	Understands the Canadian Forces Supply System (CFSS) procedures and functions relevant to the LMS.	-b-
1176	Orders and pre-orders parts.	Db2
1177	Hastens parts.	Da2
1178	Accounts for parts.	Db2
1179	Sets stock min-max levels.	Da1
1180	Implements manufacturing procedure policies.	-
1181	Implements special repair procedure policies.	-
1182	Scales parts.	Da1
1183	Purges parts.	Da1
1184	Administers distribution accounts.	Da1
	FINANCES	
1185	Understands Section 33 and 34 of the Financial Administration act.	-
1186	Forecasts, prepares and reviews budgets.	-
1187	Manages resource codes.	-
	MANPOWER	
	CIVILIAN EMPLOYEES	
1188	Understands the management of civilian employees including disciplinary procedures, grievance procedures, counselling techniques, personnel evaluation reporting procedures, position analysis schedules, civilian regulations, collective agreements, civilian administration, and management theories and techniques.	-a-
1189	Evaluates personnel performance.	-
1190	Monitors and updates employment records.	-
1191	Counsels civilian personnel.	-

Serial	Tasks	QL 5
1192	Prepares and reviews Position Analysis Schedules (PASs).	-
	EMPLOYMENT AND TRAINING OF PERSONNEL	
1193	Understands training requirements.	-a-
1194	Understands the current LEME occupation specifications.	-a-
1195	Plans, forecasts, schedules and coordinates on-job training (OJT) programs and conducting OJT and currency training.	-
1196	Prepares Workshop/Maintenance Unit Collective Training Plan.	-
	WORK ENVIRONMENT	
	DECONTAMINATION OF EQUIPMENT	
1197	Understands the effects of decontaminating agents on material.	-b-
1198	Understands the effects of chemical and radiological agents on materials.	-b-
1199	Understands decontamination equipment and procedures for decontamination of materials.	-b-
1200	Operates chemical and radiation detection equipment.	Db3
1201	Decontaminates equipment casualties.	Db3
	SAFETY	
1202	Understands fire, industrial, LASER, radiation, ammunition and explosives, hazardous waste and environmental hazards.	-b-
1203	Promotes safety practices, monitors, maintains and uses safety devices and equipment applicable to fire prevention, accident prevention, industrial safety, LASER safety, radiation safety, ammunition and explosives safety, hazardous waste disposal, and WHMIS.	Db3
	SECURITY	
1204	Understands security requirements for equipment being maintained.	-b-
1205	Promotes security practices, monitors, maintains and uses security devices and facilities to secure equipment being maintained.	Db3
	LMS IN THE FIELD	
1206	Understands the principles of movement, deployment and defence of Land Maintenance elements in the field including:	
	a. individuals;	-b-
	b. mobile repair/recovery teams;	-b-
	c. platoons; and	-a-
	d. companies.	-
1207	Understands the characteristics and safety precautions for current company level weapons.	-b-
1208	Holds, aims, fires and performs user maintenance on current hand held, hand controlled weapons and shoulder controlled weapons, grenades and company level weapons such as machine guns and anti-tank weapons.	Db3

Serial	Tasks	QL 5
1209	Lives and works under field conditions by maintaining personal hygiene and sanitation, and effectively using Land operational clothing and equipment.	Db3
1210	Performs in unit protection and defensive drills such as mine laying operations, searches for mines and booby traps, ground and air sentry duties, fieldcraft movement, camouflage and concealment of equipment, digging and camouflaging fire trenches, target detection and indication, and responding to field signals and fire orders.	Db2
1211	Plans and conducts platoon level defensive area clearance operation.	-
1212	Selects and lays out defensive and firing positions for a Land Maintenance:	
	a. individual;	Db3
	b. section;	-a-
	c. platoon; and	-a-
	d. company.	-
1213	Interprets and marks battle maps, selects routes and prepares route cards.	Db2
1214	Operates SMP vehicles up to and including MLVW with and without trailers.	Db3
1215	Participates in moves such as:	
	a. on foot cross country movements by day and night; and	Db3
	b. tactical and non-tactical road movements using standard convoy drills and procedures.	Da2
1216	Operates current tactical communications equipment common to the maintenance organization.	Db2
1217	Prepares administration orders and movement orders for a Land Maintenance organization of platoon size or greater.	-
1218	Appraises the tactical situation applicable to the Land Maintenance units of platoon size or greater.	-
1219	Operates a Land Maintenance command post at:	
	a. platoon level; and	-
	b. company level.	-
1220 to 1999	Not allocated.	

Fire Control Systems Technician 434 Trade (1999)

A-PD-055-002/PP-002

FCS TECH MOC 434

CANADIAN FORCES MANUAL OF MILITARY OCCUPATIONAL STRUCTURE

VOLUME 2 PART 2

OCCUPATIONAL SPECIFICATION

for the

FIRE CONTROL SYSTEMS TECHNICIAN OCCUPATION

MOC 434

Date Specification Approved: 1 Jan 99

FOREWORD

1. The primary purpose of the integrated Fire Control Systems Technician (FCS TECH) Occupational Specification (OS) is to describe the job performance requirements for the Special Force(Mobilization) and Regular Force (Reg F).

2. Section 1 describes the common occupational requirements and Section 2 contains the normal career development information in terms of employment opportunities and training requirements. The duties and tasks that must be performed by FCS TECH and some of the required supporting skills and knowledge are detailed in Section 3.

3. The information in this specification does not limit the potential employment, promotion, or training that FCS TECH may receive. Specific policies affecting those subjects are contained in other official publications.

4. This specification is designed to be used:

   a. as a basis for identifying and developing performance oriented training requirements;

   b. as a guide for FCS TECH resource management to ensure that the right person is placed in the right job at the right time;

   c. as a source of career information for potential recruits and serving FCS TECH; and

   d. as a basis for coding, recording and reporting occupational qualifications in the appropriate ADM(HR-Mil) Management Information Systems.

5. Comments or suggested amendments to this document should be submitted in the format of red ink annotations on a copy of the applicable page(s) and processed through normal channels to NDHQ, Attention: Director Personnel Planning (D Pers Plan).

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SECTION 1 - GENERAL

INTRODUCTION

1. This specification describes the Canadian Forces (CF) occupation of FCS TECH for the following components:

   a. **Special Force(Mobilization) - MOC M434,**

   b. **P Res - Not Applicable**, and

   c. **Reg F - MOC 434.**

SCOPE

2. The functions of the FCS TECH for each component are as follows:

   a. **Special Force(Mobilization).** The Mobilization Military Occupation (MOBMOC) structure was developed in large part to minimize training so that the time from enrolment to effective employment in the Special Force(Mobilization) will be as short as possible. It also serves as the basis for developing the Reg F occupational structure and for identifying individual job performance requirements in those components. The FCS TECH MOBMOC structure has been sub-divided into the following occupations which represent specific military jobs that must be performed during a period of Mobilization:

      (1) **M434B - FIRE CONTROL SYSTEMS TECHNICIAN - POWER GENERATION AND DISTRIBUTION (FCS TECH - PG & D)**

      FCS TECH - PG & D are responsible for corrective and preventive maintenance on field deployable power generators and wire distribution kits used by all Brigade units. FCS TECH - PG & D will perform first and second line setups and repairs.

      (2) **M434C - FIRE CONTROL SYSTEMS TECHNICIAN - ELECTRONIC (FCS TECH - ELEC)**

      FCS TECH - ELEC are responsible for second line repair of equipments including, but not limited to, power supplies, mine detection equipment, lasers, thermal sights, electric motors, battery chargers, field photocopiers, wire cables and harnesses.

      (3) **M434D - FIRE CONTROL SYSTEMS TECHNICIAN - OPTICAL AND INSTRUMENT (FCS TECH - OPT & INST)**

      FCS TECH - OPT & INST are responsible for second line repair of equipments including, but not limited to, integrated electro-optic sights, infra-red sights, direction finding equipment and mechanical devices such as tripods and levels.

      (4) **M434E - FIRE CONTROL SYSTEMS TECHNICIAN - ARMOURED (FCS TECH - ARMD)**

      FCS TECH - ARMD are responsible for corrective and preventive maintenance on the Main Battle Tank (MBT) and associated equipment including, but is not limited to, thermal and infrared

observation equipment, integrated fire control sighting and computer devices, optical instruments, wiring harnesses, cabling and interconnecting devices. FCS TECH - ARMD will perform first line maintenance on equipment held by Armoured units and second line maintenance on AFV turrets or its components.

(5) **M434F - FIRE CONTROL SYSTEMS TECHNICIAN - FIELD ARTILLERY (FCS TECH - FD ARTY)**

FCS TECH - FD ARTY are responsible for corrective and preventive maintenance on field artillery guns and associated equipment including, but is not limited to, thermal and infrared observation equipment, integrated fire control sighting and computer systems, optical and survey instruments, wiring harnesses, cabling and interconnecting devices. FCS TECH - FD ARTY, will perform first line maintenance on equipment held by ARTY units.

(6) **M434G - FIRE CONTROL SYSTEMS TECHNICIAN - AIR DEFENCE (FCS TECH - AD)**

FCS TECH - AD are responsible for corrective and preventive maintenance on Low Level Air Defence (LLAD) artillery equipment including, but is not limited to, thermal and infrared observation equipment, integrated fire control sighting and computer systems, optical instruments, wiring harnesses, cabling and interconnecting devices. FCS TECH - AD will perform first and second line maintenance on equipment held by AD units and second line maintenance on LLAD primary mission equipment.

(7) **M434H - FIRE CONTROL SYSTEMS TECHNICIAN - INFANTRY (FCS TECH - INF)**

FCS TECH - INF are responsible for corrective and preventive maintenance on Infantry equipment including, but not limited to, Infantry turret systems, thermal and infrared observation equipment, anti-tank missile systems, optical instruments, wiring harnesses, cabling and interconnecting devices. FCS TECH - INF will perform first line maintenance on equipment held by Infantry units and second line maintenance on AFV turrets and components.

b. **P Res.** There are no P Res FCS TECH occupation.

c. **Reg F.** The functions of the Reg F FCS TECH occupation are to repair and maintain all types of Land Force fire control systems. These include, but are not limited to, anti-tank and surface to air missile systems, direct and indirect optical sighting/ranging equipment, lasers, fire control computers and sights, power generation and distribution systems, field photocopiers, electric turret drive systems, infrared sights, electric motors and their controlling devices, electronic simulators and electro-optical devices. FCS TECH also perform system restoral, preventive and corrective maintenance, equipment inspections, modifications, installations and acceptance checks, as well as the repair and overhaul of selected systems.

GENERAL SPECIFICATIONS

3. The NCM General Specification (NCMGS) reflects the tasks, skills and knowledge which are common to all NCM and are in addition to specific military occupational performance requirements as outlined in this specification. The Environmental sub-sections specify the tasks, skills and knowledge required by NCM which are unique to the environments in which they are or can be expected to serve.

4. As serving CF members, FCS TECH are required to maintain the performance requirements detailed in the NCMGS for their component and environment.

OCCUPATIONAL SPECIALTY SPECIFICATIONS

5. Occupational Specialty Specifications (OSS) describe those additional duties and tasks which are necessary for employment in a specific position. OSS may be unique (applicable to one occupation) or common (applicable to more than one occupation). FCS TECH OSS are contained in A-PD-055-003/PQ-001.

JOB REQUIREMENTS

6. The following job requirement information describes the Journeyman level of performance. For FCS TECH, these requirements are in addition to the performance requirements detailed in the NCMGS.

a. **Comprehension and Judgement.** FCS TECH must be familiar with the basics of the CF Land Maintenance System (LMS). They must be able to analyze and interpret test equipment results, understand complex electronic equipment and integrated fire control systems in order to perform system restoral, corrective and preventive maintenance. FCS TECH must have a detailed comprehension of troubleshooting techniques to select the proper tests which will quickly isolate a fault on a system or piece of electronic/electro-optic equipment. Once a fault is isolated, FCS TECH must select the fastest and most cost-effective method to correct the fault and/or restore the system.

b. **Occupational Training and Experience.** The FCS TECH Apprentice level qualification consists of Performance Oriented Electronic Training (POET), a formal QL3 course, an intensive on-job-training (OJT) program, followed by QL5A course which will ensure that a uniform and acceptable standard is met by all FCS TECH. In the Journeyman, Supervisor and Manager Developmental Periods (DP), FCS TECH are required to upgrade their knowledge through technical specialty training dealing with specific systems and technology. FCS TECH require knowledge of electrics, electronics, optics, test equipment, troubleshooting, power generation equipment, lasers, thermal imaging sights, integrated fire control systems, infrared sighting devices and optical observation/ranging systems. FCS TECH will qualify in the use and operation of all tools and equipment pertaining to their occupation.

c. **Responsibility.** Specific responsibilities include, but are not limited to the following:

(1) **Resources.** FCS TECH utilize electronic/optronic test equipment, mechanical test equipment, optical test equipment, Automated

Test Equipment (ATE), Built-In-Test (BIT), display consoles, computer systems, technical publications, hand/power tools and vehicle mounted workshops to accomplish their duties. They are responsible for maintaining and repairing tools and equipment required to perform their duties.

(2) **Services.** FCS TECH provide maintenance services and advice as well as information to the Land Ordnance Maintenance Management Information System (LOMMIS) of LMS for the work performed on vehicles and equipment. Specifically, FCS TECH are responsible for maintaining the electrical, electronic, optical and optronic equipment in support of LMS. FCS TECH must adhere to particular safety regulations pertaining to specialist operations.

(3) **Consequence of Error.** Errors, neglect or poor judgement in maintenance procedures may result in death or injury to personnel. Errors may also result in destruction or damage to the equipment or reduction of operational/combat efficiency. Improper diagnosis can result in excessive repair cost, prolonged loss of equipment or personnel and loss of confidence in the equipment by the operator.

WORKING CONDITIONS

7. FCS TECH will experience a variety of working conditions as outlined below:

a. **Environmental.** The working environment can be in field operations, mobile maintenance vehicles, improvised shelters and/or base workshops. There is sometimes a requirement to use electronic test equipment and displays, technical manuals, written directives and checklists in low ambient light levels. During operational deployments, personnel are required to work in limited facilities, must access cramped areas to service equipment and can be subjected to extreme weather conditions. FCS TECH are sometimes required to perform shift work and may work extended hours to restore operational systems or equipment.

b. **Hazards.** Personnel are exposed to the hazards of shop noise, electrical shock, toxic fumes from soldering/cleaning solvents, Chemical Agents Resistive Coating (CARC) and the dangers associated with using power tools, lasers and radiation. Physical injury may result from falling or being struck while working on or in various equipment installations such as those found in armoured personnel carriers, MBT and self-propelled artillery vehicles. Duties may include working in confined spaces.

c. **Stress.** FCS TECH are sometimes required to work for extended periods, work extended shifts, and stand for long periods under normal or adverse weather conditions. Moderate to increased stress and mental pressure may be experienced by FCS TECH during heavy workload periods in field operations and tactical deployments.

d. **Physical Effort.** The physical effort required to perform in this occupation ranges from moderate to high. The majority of the work is normally carried out in mobile workshops, static workshops or improvised shelters. During equipment installation or maintenance, personnel are occasionally required to perform tasks that include lifting and moving heavy equipment and working in cramped and

uncomfortable locations.

SPECIAL REQUIREMENTS

8. This information was verified as correct at the time of publication but may have been subsequently amended. Any questions or suggested changes should be addressed to the OPI with DPCA and D Pers Plan as information addressees.

a. **Medical Standards.** CF Medical standards are detailed in A-MD-154-000/FP-000. The minimum Medical standard for assignment to the FCS TECH occupation is:

$$\frac{V}{4} \quad \frac{CV}{2} \quad \frac{H}{3} \quad \frac{G}{2} \quad \frac{O}{2} \quad \frac{A}{5}$$

OPI - D Med Svcs

NOTE: The Medical standard shown is for initial assignment to the FCS TECH occupation. Experienced personnel who have their medical category lowered will be considered for retention, occupational transfer or released by a Career Review Board (Medical) IAW CFAO 34-26.

b. **Language.** The language requirements for FCS TECH are:

(1) Special Force(Mobilization). The requirement and policy for second language capability are to be determined (3290-1 (CPD) 14 Jun 88);

(2) P Res. Not Applicable; and

(3) Reg F. The second language objective for FCS TECH is to ensure that there are sufficient bilingual personnel to man each bilingual position designated for this occupation. Based on analysis of the CF bilingualism requirements and the individual's aptitude, FCS TECH selected for second language training are to attain the language proficiency level of the bilingual positions so identified for their occupation.

OPI - DRET

c. **Security Clearance.** The minimum required security clearance levels are:

(1) Special Force(Mobilization) - Level 1,

(2) P Res - Not Applicable, and

(3) Reg F - Level 1.

OPI - DPM Secur

d. **Education.** The academic standards for enrolment in the CF are described in CFAO 6-1 (Reg F).

OPI - DPCA

RELATED CIVILIAN OCCUPATIONS

9. The civilian occupations listed below are related to the MOBMOC indicated and are derived from the National Occupational Classification (NOC) catalogue.

CIVILIAN TITLE	CODE NUMBER	MOBMOC
Electrical and Electronics Engineering M434B,C,E,F,G,H	2241	
Technologists and Technicians Electronic Service Technicians M434B,C,E,F,G,H	2242	
(Household and Business Equipment) Contractors and Supervisors (Electrical Trades and Telecommunications Occupations)	7212	M434B,C
Electricians	7241	M434B
Industrial Electricians	7242	M434B
Power System Electricians	7243	M434B
Electrical Power Line and Cable Workers	7244	M434B
Electrical Appliance Servicers and Repairers	7332	M434C
Electrical Mechanics	7333	M434C
Jewellers, Watch Repairers and Related Occupations	7344	M434D

SECTION 2
OCCUPATIONAL DEVELOPMENT

INTRODUCTION

1. This section is divided into three sub-sections, by components, as follows:

a. Sub-Section A - Special Force(Mobilization),

b. Sub-Section B - P Res, and

c. Sub-Section C - Reg F.

2. Within each sub-section, FCS TECH occupational development for each DP is described, under the headings of Progression, Career Pattern, and Employment and Training. A DP is defined as a time-frame in a FCS TECH career during which individuals are trained, employed and/or given the opportunity to develop occupational and/or professional skills and knowledge. FCS TECH occupational development is described for the Apprentice, Journeyman, Supervisor and Manager DPs.

3. During the Apprentice DP, personnel undergo initial occupational training and employment to become qualified FCS TECH. At this level the scope of employment is limited, work priorities are decided by Supervisors and work is closely monitored. To become fully qualified FCS TECH must progress to the Journeyman DP.

4. In the Journeyman DP FCS TECH can perform tasks independently or under supervision as well as explain or demonstrate to others how to perform tasks. A senior Journeyman may be called upon to exercise supervisory and leadership skills.

5. FCS TECH in the Supervisory DP are responsible for exercising leadership, in addition to assigning, directing, monitoring and evaluating the tasks and duties of subordinates. Notwithstanding primary responsibilities they may also perform occupational tasks.

6. In the Manager DP, FCS TECH are responsible, through subordinate supervisors, for planning, organizing, directing and controlling various group activities to achieve assigned goals. A Manager is also responsible for the effective leadership and well-being of subordinates.

EMPLOYMENT AND TRAINING

7. Tables within each sub-section describe the specific core occupational employment and training expected of FCS TECH, by DP, under the following headings:

a. **Employment.** The potential employment opportunities for FCS TECH are:

(1) **Occupational -** employment related directly to occupational training;

(2) **Staff -** employment in National, Command or Formation HQ, or in selected cases Base/Wing HQ; and

(3) **Training -** employment in CF or Command schools and Unit

training positions.

b. **Training.** The training FCS TECH might receive during a DP is:

(1) **Mandatory -** training which must be completed during the DP (occupational or professional);

(2) **Preferred -** training which is beneficial to most FCS TECH for the types of employment reflected in that DP or the next; and

(3) **Could Receive -** training which is beneficial to some FCS TECH for more specific employment requirements.

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

PROGRESSION

1. **Career Field.** The Special Force(Mobilization) FCS TECH occupations are assigned to the Land Maintenance Career Field.

2. **Developmental Periods.** During Mobilization, Reg F FCS TECH Supervisor/Manager assigned to a given MOBMOC will continue to perform these functions. Depending on previous military and/or occupational experience, members could be employed within any one of the DPs at the appropriate rank level. FCS TECH MOBMOC application is as shown at the table below:

MOBMOC	APPRENTICE	JOURNEYMAN	SUPERVISOR	MANAGER
B	*	**	**	**
C	*	**	**	**
D	*	**	MOBMOC C	MOBMOC C
E	*	**	MOBMOC C	MOBMOC C
F	*	**	MOBMOC C	MOBMOC C
G	*	**	MOBMOC C	MOBMOC C
H	*	**	MOBMOC C	MOBMOC C

Table Legend

* - indicates that for entry into the DP a civilian requires occupational training

** - indicates that for entry into the DP a civilian must have related occupational experience

Reg F, or MOBMOC component - indicates that under special circumstances supervision and/or management is performed by the annotated

Blank - indicates that the DP does not apply to the MOBMOC

3. The ranks associated with each DP detailed in this specification are:

Developmental Period	**Rank**
Apprentice	Pte
Journeyman	Cpl, MCpl
Supervisor	Sgt, WO
Manager	MWO, CWO

4. **Occupational Qualification.** The following outlines the methods of qualification for FCS TECH which are based on the requirements detailed in Section 3 of this specification:

Developmental Period	Method of Qualification
Apprentice	Formal Course, Direct Entry or OJT
Journeyman	Formal Course, Direct Entry or OJT
Supervisor	Formal Course, Direct Entry or OJT
Manager	Formal Course, Direct Entry or OJT

5. **Rank Progression.** Rank progression for Reg F and Reserve Force (Res F) members assigned to the Special Force(Mobilization) will be as per existing regulations in effect for the members' component.

CAREER PATTERN

6. The Special Force(Mobilization) draws its NCM from the Res F, the Reg F and the civil sector. Career patterns for FCS TECH Res F and Reg F members will be as per existing regulations. However, career patterns do not normally apply to civilians enrolled because of the following principles which guide the development and employment of FCS TECH in the Special Force(Mobilization):

a. personnel will normally be enrolled, trained and employed in one Mobilization occupation for the duration of the emergency;

b. training will be at the minimum acceptable standard and conducted within the shortest possible time; and

c. civilians will be permitted lateral entry at various ranks depending on previous experience, training and abilities.

7. Apprentice FCS TECH attain the Operationally Functional Point upon completion of basic Mobilization recruit and occupational training.

EMPLOYMENT AND TRAINING

8. In the Special Force(Mobilization), FCS TECH will normally be employed in one or more jobs within a MOBMOC. Occupational career information is shown at Table 1 to Table 4 of this Sub-Section.

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 1 - Apprentice Developmental Period

Rank: Private (Pte)

Objective: To train new members and to provide for a period of skill enhancement.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. FCS TECH - ARMD		a. Basic Occupational
	b. FCS TECH - ARTY		b. OJT
	c. FCS TECH - AD		c. QL5A
	d. FCS TECH - INF	2.	**Preferred**
	e. FCS TECH - PG & D		Nil
	f. FCS TECH - OPT	3.	**Could Receive**
	g. FCS TECH - ELEC		Specialty Course
2.	**Staff**		
	Nil		
3.	**Training**		
	Nil		

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 2 - Journeyman Developmental Period

Rank: Corporal (Cpl), Master Corporal (MCpl)

Objective: To develop functional and environmental expertise and to provide the opportunity to develop skills as a supervisor.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. FCS TECH - ARMD		a. LFC JNCO
	b. FCS TECH - ARTY		b. QL6A
	c. FCS TECH - AD	2.	**Preferred**
	d. FCS TECH - INF		Nil
	e. FCS TECH - PG & D	3.	**Could Receive**
	f. FCS TECH - OPT		Specialty Course
	g. FCS TECH - ELEC		
	h. Sect 2IC		
	i. Parts Coord		
2.	**Staff**		
	Nil		
3.	**Training**		
	Instructor		

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 3 - Supervisor Developmental Period

Rank: Sergeant (Sgt), Warrant Officer (WO)

Objective: To provide the opportunity to enhance and apply occupational and leadership skills and knowledge.

Employment

1. **Occupational**
   - a. Planner
   - b. Control Office Supr
   - c. Sect Comd
   - d. Engineering Technical Quarter Master Sergeant (ETQMS)
   - e. Local Contracts
2. **Staff**
   - a. NDHQ
   - b. FMN HQ
3. **Training**
   - a. Instructor
   - b. Standards

Training

1. **Mandatory**
   - a. SLC
   - c. QL7
2. **Preferred**

   Nil
3. **Could Receive**

   Specialty Course

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 4 - Manager Developmental Period

Rank: Master Warrant Officer (MWO), Chief Warrant Officer (CWO)

Objective: To provide the opportunity to apply individual expertise in management and staff appointments.

Employment	**Training**
1. **Occupational** a. Control Offr b. Engineering Technical Sergeant Major (ETSM) c. ETQMS d. Pl 2IC	1. **Mandatory** Nil 2. **Preferred** Nil 3. **Could Receive** Specialty Course
2. **Staff** a. NDHQ b. FMN HQ c. Base/Wing HQ	
3. **Training** a. Instructor b. Standards	

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 5 - Apprentice Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 6 - Journeyman Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 7 - Supervisor Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 8 - Manager Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

PROGRESSION

1. **Career Field.** The Reg F FCS TECH occupation is assigned to the Land Maintenance Career Field. The other Reg F occupations in the Land Maintenance Career Field are:

a. MOC 411 - Vehicle Technician (VEH TECH),

b. MOC 421 - Weapons Technician (Land) (W TECH L),

c. MOC 441 - Materials Technician (MAT TECH).

2. **Developmental Periods.** Reg F FCS TECH progression is from Apprentice through to Manager inclusive. The ranks associated with each DP detailed in this specification are:

Developmental Period	**Rank**
Apprentice	Pte
Journeyman	Cpl, MCpl
Supervisor	Sgt, WO
Manager	MWO, CWO

3. **Occupational Qualification.** The methods of qualification for Reg F FCS TECH are determined by the MA and are based on the requirements detailed in Section 3. The current methods of qualification for each DP detailed in this specification are:

Developmental Period	**Method of Qualification**
Apprentice	Formal Occupation Course
Journeyman	Formal Occupation Course
Supervisor	Formal Occupation Course
Manager	Formal Occupation Course

4. **Rank Progression.** The requirements for progression in rank for this occupation are detailed in CFAO 49-4 and the NCMGS.

CAREER PATTERN

5. The career pattern of Reg F FCS TECH comprises four DPs. In general, in the Apprentice DP, Reg F FCS TECH will complete language training (if required) and the Basic Occupational Qualification Course (BOQC). Apprentice FCS TECH will complete an extensive OJT program followed by QL5A training. Upon promotion to Cpl, Reg F FCS TECH will advance to the Journeyman DP.

6. In the Journeyman DP, selected Reg F FCS TECH will receive LFC JNCO and QL6A training. Reg F FCS TECH may also receive specialty training while in

this DP. Upon promotion to Sgt, Reg F FCS TECH will advance to the Supervisor DP.

7. In the Supervisor DP, selected Reg F FCS TECH will receive SLC and QL7 training. While in this DP, selected Reg F FCS TECH may also receive specialty training. Upon promotion to MWO, Reg F FCS TECH will advance to the Manager DP.

8. In the Manager DP, Reg F FCS TECH are fully qualified to manage all occupationally related activities. Reg F FCS TECH may also receive specialty training while in this DP.

9. Apprentice Reg F FCS TECH attain the Operationally Functional Point upon successful completion of BOQC.

EMPLOYMENT AND TRAINING

10. Reg F FCS TECH could be employed in a variety of jobs depending on rank, military and/or occupational experience. Occupational career information is shown at Table 9 to Table 12 of this Sub-Section.

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 9 - Apprentice Developmental Period

Rank: Pte

Objective: To train new members and to provide for a period of skill enhancement.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. FCS TECH - ARMD		a. BOQC
	b. FCS TECH - ARTY		b. OJT
	c. FCS TECH - AD		c. QL5A
	d. FCS TECH - INF	2.	**Preferred**
	e. FCS TECH - PG & D		Second Language
2.	**Staff**	3.	**Could Receive**
	Nil		Specialty Course
3.	**Training**		
	Nil		

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 10 - Journeyman Developmental Period

Rank: Cpl, MCpl

Objective: To develop functional and environmental expertise and to provide the opportunity to develop skills as a supervisor.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. FCS TECH - ARMD		a. LFC JNCO
	b. FCS TECH - ARTY		b. QL6A
	c. FCS TECH - AD	2.	**Preferred**
	d. FCS TECH - INF		Nil
	e. FCS TECH - PG & D	3.	**Could Receive**
	f. FCS TECH - OPT		Specialty Course
	g. FCS TECH - ELEC		
	h. Sect 2IC		
	i. Parts Coord		
2.	**Staff**		
	Nil		
3.	**Training**		
	Instructor		

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 11 - Supervisor Developmental Period

Rank: Sgt, WO

Objective: To provide the opportunity to enhance and apply occupational and leadership skills and knowledge.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. Planner		a. SLC
	b. Control Office Supr		b. QL7
	c. Sect Comd	2.	**Preferred**
	d. ETQMS		Nil
	e. Local Contracts	3.	**Could Receive**
2.	**Staff**		Specialty Course
	a. NDHQ		
	b. FMN HQ		
	c. Base/Wing HQ		
3.	**Training**		
	a. Instructor		
	b. Standards		

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 12 - Manager Developmental Period

Rank: MWO, CWO

Objective: To provide the opportunity to apply individual expertise in management and staff appointments.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. Control Offr		Nil
	b. ETSM	2.	**Preferred**
	c. ETQMS		Nil
	d. Pl 2IC	3.	**Could Receive**
2.	**Staff**		Specialty Course
	a. NDHQ		
	b. FMN HQ		
	c. Base/Wing QH		
3.	**Training**		
	a. Instructor		
	b. Standards		

SECTION 3
OCCUPATIONAL PERFORMANCE REQUIREMENTS

INTRODUCTION

1. The FCS TECH occupation has four DPs identified as Apprentice, Journeyman, Supervisor and Manager. For each DP, the tables in this section contain the appropriate job performance requirements for each CF component.

2. The Special Force(Mobilization) occupational structure and job performance requirements serve as the basis for developing the Reg F structures. This method provides a means of identifying the tasks, skills and knowledge required by FCS TECH to accomplish assigned duties both in wartime and peacetime operations.

SERIAL NUMBERS

3. The Journeyman level of performance is considered to be the mainstay by which all independent action by NCM in all CF occupations is determined. Consequently, the Task, Skill and Knowledge statements listed in the Journeyman DP form the basic foundation for identifying the occupational job requirements for FCS TECH. They are serially numbered consecutively, starting at (Duty Area Identifier) T001, S001 and K001 respectively. If a Task statement applies at the Apprentice, Supervisor or Manager DPs, that statement appears with the same serial number as the Journeyman Task statement. If it does not apply, the serial number/statement is not used in that DP. The pound symbol ("#") after the serial number indicates a requirement that is common to all 400 series occupations.

4. New Task statements detailed in any of the Apprentice, Supervisor or Manager DPs are added to the bottom of the statement listings that have been carried over from the Journeyman DP and are serially numbered using the next available unique number. New Task statements in any of these DPs are further identified by a plus (+) symbol prefixed to the assigned number.

5. New Skill and Knowledge statements applicable to the Supervisor and Manager DPs, OR an increase in the required level of expertise in ANY DP from the one previous, are also identified with a plus (+) symbol prefixed to the appropriate serial number.

DUTY AREA AND TASK STATEMENTS

6. A Duty Area typically represents one of the major activities involved in the work performed by a large segment of the occupation. A task is a discrete segment of work which constitutes a logical and necessary part of a duty, and has a definite beginning and end.

7. For each identified Duty Area, all task statements related to that specific Duty Area are listed. Special Force(Mobilization) and Reg F requirements are identified beside them in separate columns. The Special Force(Mobilization) column is sub-divided into the required MOBMOCs. To indicate which component performs a stated task, an asterisk is placed in each appropriate column directly across from the task statement. If the task statement does not apply to a particular component, that column is left blank.

SKILL AND KNOWLEDGE STATEMENTS

8. A skill is a practised mental and/or physical activity which requires a measured degree of proficiency. A knowledge is the minimum theoretical and/or practical understanding of a subject required to perform duties and/or tasks.

9. Skill and knowledge statements are listed separately after the last Duty Area. Those skill or knowledge statements that are associated with a specific Duty Area have the Duty Area identifier included in their serial number. Those skill or knowledge statements which are associated with more than one Duty Area do not have the Duty Area identifier in their serial number.

10. Skill and knowledge statements for the Special Force(Mobilization) and Reg F requirements are displayed in separate columns. To indicate that either a particular MOBMOC or Reg F occupation requires a specific skill or knowledge, a numerical code (from 1 to 3) is placed in each appropriate column. As with task statements, if the skill or knowledge is not required by a particular component the appropriate column is left blank.

11. The numerical coding reflects one of a possible three levels of skill or knowledge which are strictly relative in nature, with "1" implying the lowest level. They are intended only as broad parameters of depth/scope for each DP, which Standards and Training Plan Writing Boards may utilize to assist in determining precise standards through further analysis. These listings are by no means the only ones required and training staff can add to the skills and knowledge listings when preparing training documentation.

12. The levels of skill and knowledge are defined as:

SKILLS			KNOWLEDGE	
LEVEL	DEFINITION	VALUE	LEVEL	DEFINITION
Limited	The proficiency level at which duties and tasks are performed under supervision and from which further progress can be made through practice and experience	1	Basic	A general awareness of theory and/or facts, which can be acquired quickly
Skilled	The proficiency level necessary to perform duties/tasks safely and independently	2	Detailed	The understanding of theory and/or fact which requires substantial training and/or experience
Highly Skilled	The proficiency level which is acquired only by considerable training and practical experience	3	Comprehensive	The mastery of theory and/or facts usually requiring extensive training and/or experience to learn

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*	*	*	*	*	*	*
AT002#	Decontaminate equipment	*	*	*	*	*	*	*	*
AT003#	Destroy equipment to deny use	*	*	*	*	*	*	*	*
AT004#	Execute convoy functions	*	*	*	*	*	*	*	*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*	*	*	*	*	*	*
	DUTY AREA B - MANAGEMENT								
	Not Applicable								
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*	*	*	*	*	*	*
CT002#	Perform periodic inspections on equipment	*	*	*	*	*	*	*	*
CT003#	Complete time accounting forms	*	*	*	*	*	*	*	*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*	*	*	*	*	*	*
CT006#	Research part numbers/information from relevant media	*	*	*	*	*	*	*	*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*	*	*	*	*	*	*
DT002#	Issue/receive equipment, stores and spare parts	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
DT003#	Maintain tool cribs	*	*	*	*	*	*	*	*
DT004#	Operate Light Armoured Vehicles (LAV)				*	*	*	*	*
DT005#	Operate materiel handling equipment	*	*	*	*	*	*	*	*
DT006#	Operate tracked vehicles				*	*	*	*	*
DT007#	Operate wheeled vehicles	*	*	*	*	*	*	*	*
DT008#	Account for parts	*	*	*	*	*	*	*	*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET002	Clean work areas	*	*	*	*	*	*	*	*
ET004	Maintain basic workshop tools and equipment	*	*	*	*	*	*	*	*
ET005	Maintain personal tools/tool kits	*	*	*	*	*	*	*	*
ET007	Secure equipment	*	*	*	*	*	*	*	*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*	*	*	*	*	*	*
FT002	Repair damaged threads	*	*	*	*	*	*	*	*
FT003	Punch holes	*	*	*	*	*	*	*	*
FT004	Ream holes	*	*	*	*	*	*	*	*
FT005	Tap holes	*	*	*	*	*	*	*	*
FT006	Drill holes	*	*	*	*	*	*	*	*
FT007	Finish metal surfaces	*	*	*	*	*	*	*	*
FT008	Dress grinding wheels	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
FT009	Sharpen drill bits	*	*	*	*	*	*	*	*
FT010	Install/remove rivets	*	*	*	*	*	*	*	*
FT011	Remove damaged screws/studs	*	*	*	*	*	*	*	*
FT012	Remove/install helicoil inserts	*	*	*	*	*	*	*	*
FT013	Lock-wire components	*	*	*	*	*	*	*	*
FT014	Torque fasteners	*	*	*	*	*	*	*	*
FT015	Remove/replace gaskets/seals	*	*	*	*	*	*	*	*
FT016	Inspect bearings/bushings	*	*	*	*	*	*	*	*
FT017	Remove/replace bearings/bushings	*	*	*	*	*	*	*	*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components				*			*	*
GT002	Test AFV electrical components				*			*	*
GT003	Remove/replace AFV electrical components				*			*	*
GT004	Rebuild AFV electrical components				*			*	*
GT005	Repair AFV electrical components				*			*	*
	DUTY AREA H - ELECTRICAL								
HT001	Test electric motors	*	*	*	*	*	*	*	*
HT002	Adjust electric motors	*	*	*	*	*	*	*	*
HT003	Inspect electric motors	*	*	*	*	*	*	*	*
HT004	Diagnose faults in electric motors		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT005	Remove/replace electric motors	*	*	*	*	*	*	*	*
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*
HT008	Reverse rotation/change operating voltage of electric motors	*	*	*	*	*	*	*	*
HT009	Inspect electrical power tools	*	*	*	*	*	*	*	*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*
HT012	Condition electrical power tools		*						*
HT013	Inspect electric pump/motor control units	*	*		*	*	*	*	*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*		*	*	*	*	*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT018	Adjust sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT019	Inspect sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT020	Remove/replace switches/relays	*	*	*	*	*	*	*	*
HT021	Repair switches/relays	*	*	*	*	*	*	*	*
HT022	Condition switches/relays	*	*	*	*	*	*	*	*
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT027	Condition electrical appliances		*						*
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*	*	*	*	*	*	*
HT030	Adjust turret electrical controls/fire control systems				*	*	*	*	*
HT031	Inspect turret electrical controls/fire control systems				*	*	*	*	*
HT032	Test turret electrical controls/fire control systems				*	*	*	*	*
HT033	Remove/replace turret electrical components				*	*	*	*	*
HT034	Locate electrical interference/noise sources	*	*	*	*	*	*	*	*
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*		*	*	*	*	*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*	*	*	*	*	*	*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*	*	*	*	*	*	*
HT043	Remove/replace transformers	*	*	*	*	*	*	*	*
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*		*	*	*	*	*
HT045	Adjust SEV power distribution systems	*	*		*	*	*	*	*
HT046	Inspect SEV power distribution systems	*	*		*	*	*	*	*
HT047	Repair faults in SEV power distribution systems	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT048	Diagnose faults in SEV power distribution systems	*	*						*
HT049	Test converters/rectifiers	*	*		*	*	*	*	*
HT050	Adjust converters/rectifiers	*	*		*	*	*	*	*
HT051	Inspect converters/rectifiers	*	*		*	*	*	*	*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*		*	*	*	*	*
HT055	Adjust portable electrical power supplies		*						*
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*	*	*	*	*	*	*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*	*	*	*	*	*	*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*	*	*	*	*	*	*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*	*	*	*	*	*	*
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*	*	*	*	*	*	*
HT069	Service NiCad/lithium batteries	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
HT070	Test NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT071	Remove/replace NiCad or lithium batteries	*	*	*	*	*	*	*	*
HT072	Diagnose electrical faults in engine driven generators	*							*
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*
HT077	Calculate electrical power requirements	*							*
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*	*	*	*	*	*	*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*	*	*	*	*	*	*
HT084	Perform power output checks	*	*	*	*	*	*	*	*
HT085	Perform frequency measurement tests	*	*	*	*	*	*	*	*
HT086	Perform voltage drop tests	*	*	*	*	*	*	*	*
HT087	Measure voltages	*	*	*	*	*	*	*	*
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*	*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
HT092	Adjust non-ADP office equipment		*	*					*
HT093	Inspect non-ADP office equipment		*	*	*				*
HT094	Diagnose faults in non-ADP office equipment		*	*					*
HT095	Condition non-ADP office equipment		*	*					*
HT096	Repair non-ADP office equipment		*	*					*
HT097	Fabricate wiring harnesses	*	*	*	*	*	*	*	*
HT098	Perform electrical continuity checks	*	*	*	*	*	*	*	*
HT099	Adjust switches	*	*	*	*	*	*	*	*
HT100	Test switches	*	*	*	*	*	*	*	*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*	*	*	*	*	*	*
HT102	Test electrical cables/cords	*	*	*	*	*	*	*	*
HT103	Repair electrical cables/cords	*	*	*	*	*	*	*	*
HT104	Install solderless terminals	*	*	*	*	*	*	*	*
HT105	Tape electrical cables	*	*	*	*	*	*	*	*
HT106	Solder electrical wires/cables	*	*	*	*	*	*	*	*
HT107	Splice electrical wires/cables	*	*	*	*	*	*	*	*
HT108	Strip electrical wires/cables	*	*	*	*	*	*	*	*
HT109	Trace electrical wiring/cabling	*	*	*	*	*	*	*	*
HT110	Remove/install electrical cables/harnesses	*	*	*	*	*	*	*	*
HT111	Repair cable sheaths/insulation	*	*	*	*	*	*	*	*
HT112	Replace grounding straps/cables	*	*	*	*	*	*	*	*
HT113	Check grounding straps	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*	*	*	*	*	*	*
IT005	Diagnose faults in printed circuit boards/modules		*	*					*
IT006	Perform printed circuit board adjustments		*	*					*
IT007	Test electronic components		*	*	*	*	*	*	*
IT008	Test electronic controllers		*	*	*	*	*	*	*
IT009	Adjust electronic controllers		*	*	*	*	*	*	*
IT010	Inspect electronic controllers	*	*	*	*	*	*	*	*
IT011	Remove/replace electronic controllers	*	*	*	*	*	*	*	*
IT012	Diagnose faults on electronic controllers		*	*					*
IT013	Repair faults on electronic controllers		*	*					*
IT014	Inspect mine detection devices		*		*	*	*	*	*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*	*					*
IT020	Inspect non-laser electronic distance measuring equipment		*	*		*			*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT021	Test non-laser electronic distance measuring equipment		*	*					*
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*	*					*
IT023	Repair non-laser electronic distance measuring equipment		*	*					*
IT024	Condition non-laser electronic distance measuring equipment		*	*					*
IT025	Inspect electronic chemical detecting/monitoring equipment		*		*	*	*	*	*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*
IT028	Inspect thermal observation equipment		*		*	*	*	*	*
IT029	Remove/replace thermal observation equipment		*		*	*	*	*	*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*
IT039	Inspect global positioning systems		*		*	*	*	*	*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*		*	*	*	*	*
IT042	Condition global positioning systems		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT043	Repair global positioning systems		*						*
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*		*	*	*	*	*
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*	*	*	*	*	*	*
IT048	Setup video projection/viewing equipment								*
IT049	Inspect video projection/viewing equipment								*
IT050	Inspect electronic simulators/components								*
IT051	Setup electronic simulators/components								*
IT052	Inspect general electronic test equipment	*	*	*	*	*	*	*	*
IT053	Inspect special-to-type electronic test equipment		*	*	*	*	*	*	*
IT054	Purge electronic equipment		*	*	*	*	*	*	*
IT055	Desiccate electronic equipment		*	*	*	*	*	*	*
IT056	Seal electronic equipment		*	*	*	*	*	*	*
IT057	Perform pressurization test on electronic equipment		*	*	*	*	*	*	*
IT058	Inspect anti-armour guided missile launcher systems							*	
IT059	Test anti-armour guided missile launcher systems							*	
IT060	Adjust anti-armour guided missile launcher systems							*	
IT061	Remove/replace anti-armour guided missile launcher systems/components							*	
IT062	Diagnose faults in anti-armour guided missile launcher systems/components							*	
IT063	Repair anti-armour guided missile launcher systems/components							*	

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
IT064	Condition anti-armour guided missile launcher systems/components							*	
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems							*	
IT096	Perform OSS AGMB requirements as described in A-PD-055-003/PQ-001						*		
IT097	Perform OSS AHSC requirements as described in A-PD-055-003/PQ-001						*		
IT098	Perform OSS AGPX requirements as described in A-PD-055-003/PQ-001						*		
IT099	Perform OSS AHBL requirements as described in A-PD-055-003/PQ-001				*				
IT100	Perform OSS AHQK requirements as described in A-PD-055-003/PQ-001				*				
IT101	Perform OSS AHNG requirements as described in A-PD-055-003/PQ-001						*		
IT102	Perform OSS AGPD requirements as described in A-PD-055-003/PQ-001					*			
	DUTY AREA J - OPTRONICS								
JT001	Inspect day optical observing and sighting instruments			*	*	*	*	*	*
JT002	Test day optical observing and sighting instruments			*					*
JT003	Adjust day optical observing and sighting instruments			*					*
JT004	Diagnose faults in day optical observing and sighting instruments			*					*
JT005	Remove/replace day optical observing and sighting instruments			*	*	*	*	*	*
JT006	Repair day optical observing and sighting instruments			*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT007	Condition day optical observing and sighting instruments			*					*
JT008	Purge optical equipment			*	*	*	*	*	*
JT009	Desiccate optical equipment			*	*	*	*	*	*
JT010	Seal optical equipment			*					*
JT011	Perform pressurization test on optical equipment			*	*	*	*	*	*
JT012	Adjust laser devices		*		*	*	*	*	*
JT013	Inspect laser devices		*		*	*	*	*	*
JT014	Test laser devices		*		*	*	*	*	*
JT015	Diagnose faults in laser devices		*		*	*	*	*	*
JT016	Remove/replace laser devices		*		*	*	*	*	*
JT017	Repair laser devices		*		*	*	*	*	*
JT018	Condition laser devices		*		*	*	*	*	*
JT019	Inspect night observation devices			*	*	*	*	*	*
JT020	Test night observation devices			*					*
JT021	Diagnose faults in night sighting devices			*					*
JT022	Test night sighting devices			*					*
JT023	Adjust night observation devices			*					*
JT024	Repair night observation devices			*					*
JT025	Diagnose faults in night observation devices			*					*
JT026	Inspect night sighting devices			*					*
JT027	Remove/replace night sighting devices			*	*	*	*	*	*
JT028	Adjust night sighting devices			*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT029	Remove/replace night observation devices			*	*	*	*	*	*
JT030	Repair night sighting devices			*					*
JT031	Condition night observation devices			*					*
JT032	Condition night sighting devices			*					*
JT033	Align AFV sighting systems				*			*	*
JT034	Test AFV sighting systems				*			*	*
JT035	Inspect AFV sighting systems				*			*	*
JT036	Diagnose faults in AFV sighting systems				*			*	*
JT037	Remove/replace components of AFV sighting systems				*			*	*
JT038	Condition AFV sighting systems				*			*	*
JT039	Repair AFV sighting systems				*			*	*
JT040	Inspect mechanical instruments			*	*	*	*	*	*
JT041	Test mechanical instruments			*		*			*
JT042	Adjust mechanical instruments			*		*			*
JT043	Repair mechanical instruments			*		*			*
JT044	Condition mechanical instruments			*		*			*
JT045	Inspect radioactive illuminating devices		*	*	*	*	*	*	*
JT046	Inspect quadrants/clinometers			*	*	*	*	*	*
JT047	Adjust quadrants/clinometers			*					*
JT048	Test quadrants/clinometers			*					*
JT049	Diagnose faults in quadrants/clinometers			*					*
JT050	Remove/replace quadrants/clinometers			*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT051	Condition quadrants/clinometers			*					*
JT052	Repair quadrants/clinometers			*					*
JT053	Adjust level vials			*	*	*			*
JT054	Remove/replace level vials			*		*			*
JT055	Remove/replace scales			*		*			*
JT056	Repair scales			*		*			*
JT057	Condition scales			*		*			*
JT058	Inspect magnetic compasses			*	*	*	*	*	*
JT059	Adjust magnetic compasses			*					*
JT060	Test magnetic compasses			*					*
JT061	Diagnose faults in magnetic compasses			*					*
JT062	Repair magnetic compasses			*					*
JT063	Condition magnetic compasses			*					*
JT064	Setup optical/optronic test equipment and adapters		*	*					*
JT065	Align optical/optronic test equipment and adapters		*	*					*
JT071	Perform OSS AHQJ requirements as described in A-PD-055-003/PQ-001			*					

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS									
S001	Operating cranes/hoists/winches		2	2	2	2	2	2	2	2
S002	Bench fitting		1	1	1	1	1	1	1	1
S003	High reliability soldering			1	1					1
S004	Using common hand tools		1	1	1	1	1	1	1	1
S005	Soldering		1	1	1	1	1	1	1	1
S006	Operating hand-held power tools		1	1	1	1	1	1	1	1
S007	Hand filing		1	1	1	1	1	1	1	1
S008	Operating machine tools		1	1	1	1	1	1	1	1
S009	Boresighting				1	1	1	1	1	1
S010	Operating materiel handling equipment		2	2	2	2	2	2	2	2
S011	Precision measuring		2	2	2	2	2	2	2	2
S012	Using test equipment		2	2	2	2	2	2	2	2
S013	Driving		2	2	2	2	2	2	2	2
S014	Troubleshooting		1	1	1	1	1	1	1	1
S015	Freehand sketching		1	1	1	1	1	1	1	1
S016	Keyboarding		1	1	1	1	1	1	1	1
S017	Interpreting technical/mechanical drawings and schematics		1	1	1	1	1	1	1	1
S018	Operating Information Technology (IT) systems		1	1	1	1	1	1	1	1
S019	Managing materiel resources		1	1	1	1	1	1	1	1
S020	Precision layout		1	1	1	1	1	1	1	1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
CK001	Technical library procedures	1	1	1	1	1	1	1		1
HK001	Field power distribution systems	2								2
K001	Algebra	1	1	1	1	1	1	1		2
K002	Boolean algebra		2							2
K003	Geometry	1	1	1	1	1	1	1		2
K004	Trigonometry	1	1	1	1	1	1	1		2
K005	Calculus	1	1	1	1	1	1	1		2
K006	Binary/octal/hexadecimal numbering systems		2							2
K007	Physics	1	1	1	1	1	1	1		1
K008	Magnetism	2	2	2	2	2	2	2		2
K009	Types/applications of abrasive materials	1	1	1	1	1	1	1		1
K010	Principles of mechanical advantage	1	1	1	1	1	1	1		1
K011	Operating procedures of engine driven generator systems	2	1	1	1	1	1	1		2
K012	Magnetic compass theory			1	1					1
K013	High pressure cylinder colour coding	2	2	2	2	2	2	2		2
K014	Regulators and pressure gauges	2	2	2	2	2	2	2		2
K015	Soldering principles and applications	1	1	1	1	1	1	1		1
K016	Soldering techniques	1	1	1	1	1	1	1		1
K017	Hoist/winch system operating procedures	2	2	2	2	2	2	2		2
K018	Lifting and jacking devices	2	2	2	2	2	2	2		2
K019	Shop rules and regulations	2	2	2	2	2	2	2		2
K020	Security regulations and orders	2	2	2	2	2	2	2		2
K021	Laser safety regulations	2	2	2	2	2	2	2		2
K022	Industrial safety practices	2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K023	Hazardous waste disposal procedures		1	1	1	1	1	1	1		1
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2	2	2	2	2	2		2
K025	Radiation hazards			2	2	2	2	2	2		2
K026	Electrical/electronic safety precautions and hazards		2	2	2	2	2	2	2		2
K027	Use of Personal Protective Equipment (PPE)		2	2	2	2	2	2	2		2
K028	Maintenance control records system and procedures		1	1	1	1	1	1	1		1
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2	2	2	2	2	2		2
K030	Workshop capabilities and functions		1	1	1	1	1	1	1		1
K031	Land Maintenance Systems (LMS)		1	1	1	1	1	1	1		1
K032	Effects of weather or extreme conditions on equipment		1	1	1	1	1	1	1		1
K033	Metric conversion		1	1	1	1	1	1	1		1
K034	Electronic theory			2	2	2	2	2	2		2
K035	Mechanical measuring devices construction/theory of operation		1	1	1	1	1	1	1		2
K036	Calibration of mechanical measuring devices		1	1	1	1	1	1	1		1
K037	Depreservation and preservation		1	1	1	1	1	1	1		1
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1	1	1	1	1	1		1
K039	Drill bits characteristics/identification/specification system		1	1	1	1	1	1	1		1
K040	Characteristics and uses of common hand tools		1	1	1	1	1	1	1		1
K041	Characteristics and uses of hand-held power tools		1	1	1	1	1	1	1		1
K042	Uses and applications of mechanical locking devices		1	1	1	1	1	1	1		1
K043	Mechanical alignment techniques		1	1	1	1	1	1	1		1
K044	Mechanical adjustment techniques		1	1	1	1	1	1	1		1
K045	Calculation and selection of tap drill size		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K046	Fastener identification		1	1	1	1	1	1	1		1
K047	Electrical/electronic schematics		2	2	2	2	2	2	2		2
K048	Mechanical drawings		1	1	1	1	1	1	1		1
K049	Sketching techniques		1	1	1	1	1	1	1		1
K050	Electrical test equipment		2	2	2	2	2	2	2		2
K051	Electronic test equipment		2	2	2	2	2	2	2		2
K052	Automated Built-In Tests (BIT)		2	2	2	2	2	2	2		2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1	1	1	1	1	1		1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2	2	2	2	2	2		2
K056	Electric motor theory		2	2	2	2	2	2	2		2
K057	Types and applications of electrical wire/cable		2	2	2	2	2	2	2		2
K058	Electrical wire/cable identification coding		2	2	2	2	2	2	2		2
K059	Types of wire/cable splices and their applications		2	2	2	2	2	2	2		2
K060	Turret/cab electrical system interfaces					2	2	2	2		2
K061	Converters/inverters theory		1	1		1	1	1	1		1
K062	Electrical circuit troubleshooting and analysis procedures		2	2	2	2	2	2	2		2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory			1	1	1	1	1	1		2
K065	Solid state devices		1	2	2	2	2	2	2		2
K066	Electro-Static Discharge (ESD)		2	2	2	2	2	2	2		2
K067	Digital logic theory			2		2	2	2	2		2
K068	Digital computer interface principles and techniques			2		2	2	2	2		2
K069	Basic computer theory			2		2	2	2	2		2
K070	Computer operating systems		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K071	Printed circuit board repair techniques			2	2						2
K072	Video integrated gunnery system simulators			1							1
K073	Zeroing/boresighting procedures				1	1	1	1	1		1
K074	Basic principles and theories of light				2	1	1	1	1		1
K075	Operation of day/night viewing equipment				1	1	1	1	1		1
K076	Operation of thermal imaging systems			1		1	1	1	1		1
K077	Operation of laser systems			2	2	2	2	2	2		2
K078	Classifications/applications of lasers			1	1	1	1	1	1		1
K079	Use and application of lenses/filters			1	1	1	1	1	1		1
K080	Gyroscope theory			1	1	1	1	1	1		1
K081	Operation of projection systems			1	1	1	1	1	1		1
K082	Integrated fire control systems					1	1	1	1		1
K083	National electrical code		2								2
K084	Condemnation procedures		1	1	1	1	1	1	1		1
K085	CF scales of issue		1	1	1	1	1	1	1		1
K086	Technical Failure Reports (TFR)		1	1	1	1	1	1	1		1
K087	Work scheduling procedures		1	1	1	1	1	1	1		1
K088	Planned maintenance scheduling and types of inspections		1	1	1	1	1	1	1		1
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)										1
K090	Battlefield damage repair technique		1	1	1	1	1	1	1		1
K091	Defensive positions of maintenance organizations		1	1	1	1	1	1	1		1
K092	Brake systems construction/theory of operation		1	1	1	1	1	1	1		1
K093	Hand signals for casualty/load manoeuvering		2	2	2	2	2	2	2		2
K094	Corrosion prevention and control techniques		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K095	Non-destructive testing		1	1	1	1	1	1	1		1
K096	Types of drawing		1	1	1	1	1	1	1		1
K097	Operation of anti-armour weapon systems								2		

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*	*	*	*	*	*	*
AT002#	Decontaminate equipment	*	*	*	*	*	*	*	*
AT003#	Destroy equipment to deny use	*	*	*	*	*	*	*	*
AT004#	Execute convoy functions	*	*	*	*	*	*	*	*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*	*	*	*	*	*	*
AT006#	Direct MRT/recovery activities	*	*	*	*	*	*	*	*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews								*
BT002#	Implement budget guidelines								*
BT003#	Monitor financial expenditures								*
BT004#	Prepare budget submissions								*
BT005#	Prepare civilian Performance Review Reports (PRR)								*
BT006#	Prepare cost estimates								*
BT007#	Recommend budget adjustments								*
BT008#	Review cost estimates								*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*	*	*	*	*	*	*
CT002#	Perform periodic inspections on equipment	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT003#	Complete time accounting forms	*	*	*	*	*	*	*	*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*	*	*	*	*	*	*
CT006#	Research part numbers/information from relevant media	*	*	*	*	*	*	*	*
CT007#	Advise contractors on technical problems								*
CT008#	Condemn equipment	*	*	*	*	*	*	*	*
CT009#	Coordinate equipment calibration	*	*	*	*	*	*	*	*
CT010#	Coordinate equipment disposal	*	*	*	*	*	*	*	*
CT011#	Coordinate spare parts stock levels	*	*	*	*	*	*	*	*
CT012#	Design equipment modifications	*	*	*	*	*	*	*	*
CT013#	Determine levels of repair	*	*	*	*	*	*	*	*
CT014#	Determine project/repair feasibility	*	*	*	*	*	*	*	*
CT015#	Determine scales of issue	*	*	*	*	*	*	*	*
CT016#	Establish contracts with outside agencies								*
CT017#	Estimate time/costs to complete projects and repairs	*	*	*	*	*	*	*	*
CT018#	Implement equipment modification plans	*	*	*	*	*	*	*	*
CT019#	Maintain land maintenance systems databases	*	*	*	*	*	*	*	*
CT020#	Monitor contracts with outside agencies								*
CT021#	Monitor equipment modifications	*	*	*	*	*	*	*	*
CT022#	Perform annual technical inspections	*	*	*	*	*	*	*	*
CT023#	Perform technical evaluation	*	*	*	*	*	*	*	*
CT024#	Prepare Technical Failure Reports (TFR)	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
CT025#	Prepare technical inspection reports	*	*	*	*	*	*	*	*
CT026#	Provide test and evaluation assistance to civilian contractors								*
CT027#	Recommend battlefield damage repair procedures	*	*	*	*	*	*	*	*
CT028#	Recommend changes to equipment testing procedures	*	*	*	*	*	*	*	*
CT029#	Review contract demands on locally procured items								*
CT030#	Review technical reports	*	*	*	*	*	*	*	*
CT031#	Source parts	*	*	*	*	*	*	*	*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*	*	*	*	*	*	*
CT033#	Verify scales of issue	*	*	*	*	*	*	*	*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*	*	*	*	*	*	*
DT002#	Issue/receive equipment, stores and spare parts	*	*	*	*	*	*	*	*
DT003#	Maintain tool cribs	*	*	*	*	*	*	*	*
DT004#	Operate Light Armoured Vehicles (LAV)				*	*	*	*	*
DT005#	Operate materiel handling equipment	*	*	*	*	*	*	*	*
DT006#	Operate tracked vehicles				*	*	*	*	*
DT007#	Operate wheeled vehicles	*	*	*	*	*	*	*	*
DT008#	Account for parts	*	*	*	*	*	*	*	*
DT009#	Hasten supply demands	*	*	*	*	*	*	*	*
DT010#	Inspect equipment/materiel in storage	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
DT011#	Maintain supply demand registers	*	*	*	*	*	*	*	*
DT012#	Setup section/unit stores system	*	*	*	*	*	*	*	*
DT013#	Purge parts from stock holdings	*	*	*	*	*	*	*	*
DT014#	Recommend changes to technical drawings/blueprints	*	*	*	*	*	*	*	*
DT015#	Scale parts	*	*	*	*	*	*	*	*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET002	Clean work areas	*	*	*	*	*	*	*	*
ET004	Maintain basic workshop tools and equipment	*	*	*	*	*	*	*	*
ET005	Maintain personal tools/tool kits	*	*	*	*	*	*	*	*
ET007	Secure equipment	*	*	*	*	*	*	*	*
ET008	Coordinate radioactive waste storage		*	*	*	*	*	*	*
ET009	Maintain radioactive waste storage		*	*	*	*	*	*	*
ET010	Maintain workshop test equipment	*	*	*	*	*	*	*	*
ET011	Swipe-test radioactive contamination in work areas and on equipment		*	*	*	*	*	*	*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*	*	*	*	*	*	*
FT002	Repair damaged threads	*	*	*	*	*	*	*	*
FT003	Punch holes	*	*	*	*	*	*	*	*
FT004	Ream holes	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
FT005	Tap holes	*	*	*	*	*	*	*	*
FT006	Drill holes	*	*	*	*	*	*	*	*
FT007	Finish metal surfaces	*	*	*	*	*	*	*	*
FT008	Dress grinding wheels	*	*	*	*	*	*	*	*
FT009	Sharpen drill bits	*	*	*	*	*	*	*	*
FT010	Install/remove rivets	*	*	*	*	*	*	*	*
FT011	Remove damaged screws/studs	*	*	*	*	*	*	*	*
FT012	Remove/install helicoil inserts	*	*	*	*	*	*	*	*
FT013	Lock-wire components	*	*	*	*	*	*	*	*
FT014	Torque fasteners	*	*	*	*	*	*	*	*
FT015	Remove/replace gaskets/seals	*	*	*	*	*	*	*	*
FT016	Inspect bearings/bushings	*	*	*	*	*	*	*	*
FT017	Remove/replace bearings/bushings	*	*	*	*	*	*	*	*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components				*			*	*
GT002	Test AFV electrical components				*			*	*
GT003	Remove/replace AFV electrical components				*			*	*
GT004	Rebuild AFV electrical components				*			*	*
GT005	Repair AFV electrical components				*			*	*
	DUTY AREA H - ELECTRICAL								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT001	Test electric motors	*	*	*	*	*	*	*	*
HT002	Adjust electric motors	*	*	*	*	*	*	*	*
HT003	Inspect electric motors	*	*	*	*	*	*	*	*
HT004	Diagnose faults in electric motors		*						*
HT005	Remove/replace electric motors	*	*	*	*	*	*	*	*
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*
HT008	Reverse rotation/change operating voltage of electric motors	*	*	*	*	*	*	*	*
HT009	Inspect electrical power tools	*	*	*	*	*	*	*	*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*
HT012	Condition electrical power tools		*						*
HT013	Inspect electric pump/motor control units	*	*		*	*	*	*	*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*		*	*	*	*	*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT018	Adjust sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT019	Inspect sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT020	Remove/replace switches/relays	*	*	*	*	*	*	*	*
HT021	Repair switches/relays	*	*	*	*	*	*	*	*
HT022	Condition switches/relays	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*
HT027	Condition electrical appliances		*						*
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*	*	*	*	*	*	*
HT030	Adjust turret electrical controls/fire control systems				*	*	*	*	*
HT031	Inspect turret electrical controls/fire control systems				*	*	*	*	*
HT032	Test turret electrical controls/fire control systems				*	*	*	*	*
HT033	Remove/replace turret electrical components				*	*	*	*	*
HT034	Locate electrical interference/noise sources	*	*	*	*	*	*	*	*
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*		*	*	*	*	*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*	*	*	*	*	*	*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*	*	*	*	*	*	*
HT043	Remove/replace transformers	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*		*	*	*	*	*
HT045	Adjust SEV power distribution systems	*	*		*	*	*	*	*
HT046	Inspect SEV power distribution systems	*	*		*	*	*	*	*
HT047	Repair faults in SEV power distribution systems	*	*						*
HT048	Diagnose faults in SEV power distribution systems	*	*						*
HT049	Test converters/rectifiers	*	*		*	*	*	*	*
HT050	Adjust converters/rectifiers	*	*		*	*	*	*	*
HT051	Inspect converters/rectifiers	*	*		*	*	*	*	*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*		*	*	*	*	*
HT055	Adjust portable electrical power supplies		*						*
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*	*	*	*	*	*	*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*	*	*	*	*	*	*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*	*	*	*	*	*	*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*	*	*	*	*	*	*
HT069	Service NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT070	Test NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT071	Remove/replace NiCad or lithium batteries	*	*	*	*	*	*	*	*
HT072	Diagnose electrical faults in engine driven generators	*							*
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*
HT077	Calculate electrical power requirements	*							*
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*	*	*	*	*	*	*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*	*	*	*	*	*	*
HT084	Perform power output checks	*	*	*	*	*	*	*	*
HT085	Perform frequency measurement tests	*	*	*	*	*	*	*	*
HT086	Perform voltage drop tests	*	*	*	*	*	*	*	*
HT087	Measure voltages	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*	*					*
HT092	Adjust non-ADP office equipment		*	*					*
HT093	Inspect non-ADP office equipment		*	*	*				*
HT094	Diagnose faults in non-ADP office equipment		*	*					*
HT095	Condition non-ADP office equipment		*	*					*
HT096	Repair non-ADP office equipment		*	*					*
HT097	Fabricate wiring harnesses	*	*	*	*	*	*	*	*
HT098	Perform electrical continuity checks	*	*	*	*	*	*	*	*
HT099	Adjust switches	*	*	*	*	*	*	*	*
HT100	Test switches	*	*	*	*	*	*	*	*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*	*	*	*	*	*	*
HT102	Test electrical cables/cords	*	*	*	*	*	*	*	*
HT103	Repair electrical cables/cords	*	*	*	*	*	*	*	*
HT104	Install solderless terminals	*	*	*	*	*	*	*	*
HT105	Tape electrical cables	*	*	*	*	*	*	*	*
HT106	Solder electrical wires/cables	*	*	*	*	*	*	*	*
HT107	Splice electrical wires/cables	*	*	*	*	*	*	*	*
HT108	Strip electrical wires/cables	*	*	*	*	*	*	*	*
HT109	Trace electrical wiring/cabling	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
HT110	Remove/install electrical cables/harnesses	*	*	*	*	*	*	*	*
HT111	Repair cable sheaths/insulation	*	*	*	*	*	*	*	*
HT112	Replace grounding straps/cables	*	*	*	*	*	*	*	*
HT113	Check grounding straps	*	*	*	*	*	*	*	*
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*	*	*	*	*	*	*
IT005	Diagnose faults in printed circuit boards/modules		*	*					*
IT006	Perform printed circuit board adjustments		*	*					*
IT007	Test electronic components		*	*	*	*	*	*	*
IT008	Test electronic controllers		*	*	*	*	*	*	*
IT009	Adjust electronic controllers		*	*	*	*	*	*	*
IT010	Inspect electronic controllers	*	*	*	*	*	*	*	*
IT011	Remove/replace electronic controllers	*	*	*	*	*	*	*	*
IT012	Diagnose faults on electronic controllers		*	*					*
IT013	Repair faults on electronic controllers		*	*					*
IT014	Inspect mine detection devices		*		*	*	*	*	*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*	*					*
IT020	Inspect non-laser electronic distance measuring equipment		*	*		*			*
IT021	Test non-laser electronic distance measuring equipment		*	*					*
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*	*					*
IT023	Repair non-laser electronic distance measuring equipment		*	*					*
IT024	Condition non-laser electronic distance measuring equipment		*	*					*
IT025	Inspect electronic chemical detecting/monitoring equipment		*		*	*	*	*	*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*
IT028	Inspect thermal observation equipment		*		*	*	*	*	*
IT029	Remove/replace thermal observation equipment		*		*	*	*	*	*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT039	Inspect global positioning systems		*		*	*	*	*	*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*		*	*	*	*	*
IT042	Condition global positioning systems		*						*
IT043	Repair global positioning systems		*						*
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*		*	*	*	*	*
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*	*	*	*	*	*	*
IT048	Setup video projection/viewing equipment		*						*
IT049	Inspect video projection/viewing equipment		*						*
IT050	Inspect electronic simulators/components		*						*
IT051	Setup electronic simulators/components		*						*
IT052	Inspect general electronic test equipment	*	*	*	*	*	*	*	*
IT053	Inspect special-to-type electronic test equipment		*	*	*	*	*	*	*
IT054	Purge electronic equipment		*	*	*	*	*	*	*
IT055	Desiccate electronic equipment		*	*	*	*	*	*	*
IT056	Seal electronic equipment		*	*	*	*	*	*	*
IT057	Perform pressurization test on electronic equipment		*	*	*	*	*	*	*
IT058	Inspect anti-armour guided missile launcher systems							*	*
IT059	Test anti-armour guided missile launcher systems							*	*
IT060	Adjust anti-armour guided missile launcher systems							*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT061	Remove/replace anti-armour guided missile launcher systems/components							*	*
IT062	Diagnose faults in anti-armour guided missile launcher systems/components							*	*
IT063	Repair anti-armour guided missile launcher systems/components							*	*
IT064	Condition anti-armour guided missile launcher systems/components							*	*
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems							*	*
IT066	Perform printed circuit board repairs		*	*					*
IT067	Inspect Explosive Ordnance Disposal (EOD) electronic handling equipment		*						*
IT068	Adjust EOD electronic handling equipment		*						*
IT069	Test EOD electronic handling equipment		*						*
IT070	Repair EOD electronic handling equipment		*						*
IT071	Diagnose EOD electronic handling equipment		*						*
IT072	Adjust electronic chemical detecting/monitoring equipment		*						*
IT073	Test electronic chemical detecting/monitoring equipment		*						*
IT074	Diagnose faults on electronic chemical detecting/monitoring equipment		*						*
IT075	Repair electronic chemical detection/monitoring equipment		*						*
IT076	Condition electronic chemical detection/monitoring equipment		*						*
IT077	Adjust computer systems		*						*
IT078	Locate faults in computer systems		*						*
IT079	Remove/replace major subassemblies of computers		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT080	Condition components of computer systems		*						*
IT081	Repair components of computer systems		*						*
IT082	Adjust video projection/viewing equipment		*						*
IT083	Test video projection/viewing equipment		*						*
IT084	Diagnose faults on video projection/viewing equipment		*						*
IT085	Repair video projection/viewing equipment		*						*
IT086	Condition video projection/viewing equipment		*						*
IT087	Adjust electronic simulators/components		*						*
IT088	Test electronic simulators/components		*						*
IT089	Remove/replace electronic simulators/components		*						*
IT090	Diagnose faults in electronic simulators/components		*						*
IT091	Condition electronic simulators/components		*						*
IT092	Repair electronic simulators/components		*						*
IT093	Adjust special-to-type electronic test equipment		*	*	*	*	*	*	*
IT094	Repair special-to-type electronic test equipment		*	*					*
IT095	Condition special-to-type electronic test equipment		*	*					*
IT096	Perform OSS AGMB requirements as described in A-PD-055-003/PQ-001						*		
IT097	Perform OSS AHSC requirements as described in A-PD-055-003/PQ-001						*		
IT098	Perform OSS AGPX requirements as described in A-PD-055-003/PQ-001						*		
IT099	Perform OSS AHBL requirements as described in A-PD-055-003/PQ-001				*				

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
IT100	Perform OSS AHQK requirements as described in A-PD-055-003/PQ-001				*				
IT101	Perform OSS AHNG requirements as described in A-PD-055-003/PQ-001						*		
IT102	Perform OSS AGPD requirements as described in A-PD-055-003/PQ-001					*			
	DUTY AREA J - OPTRONICS								
JT001	Inspect day optical observing and sighting instruments			*	*	*	*	*	*
JT002	Test day optical observing and sighting instruments			*					*
JT003	Adjust day optical observing and sighting instruments			*					*
JT004	Diagnose faults in day optical observing and sighting instruments			*					*
JT005	Remove/replace day optical observing and sighting instruments			*	*	*	*	*	*
JT006	Repair day optical observing and sighting instruments			*					*
JT007	Condition day optical observing and sighting instruments			*					*
JT008	Purge optical equipment			*	*	*	*	*	*
JT009	Desiccate optical equipment			*	*	*	*	*	*
JT010	Seal optical equipment			*					*
JT011	Perform pressurization test on optical equipment			*	*	*	*	*	*
JT012	Adjust laser devices		*		*	*	*	*	*
JT013	Inspect laser devices		*		*	*	*	*	*
JT014	Test laser devices		*		*	*	*	*	*
JT015	Diagnose faults in laser devices		*		*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT016	Remove/replace laser devices		*		*	*	*	*	*
JT017	Repair laser devices		*		*	*	*	*	*
JT018	Condition laser devices		*		*	*	*	*	*
JT019	Inspect night observation devices			*	*	*	*	*	*
JT020	Test night observation devices			*					*
JT021	Diagnose faults in night sighting devices			*					*
JT022	Test night sighting devices			*					*
JT023	Adjust night observation devices			*					*
JT024	Repair night observation devices			*					*
JT025	Diagnose faults in night observation devices			*					*
JT026	Inspect night sighting devices			*	*	*	*	*	*
JT027	Remove/replace night sighting devices			*	*	*	*	*	*
JT028	Adjust night sighting devices			*					*
JT029	Remove/replace night observation devices			*	*	*	*	*	*
JT030	Repair night sighting devices			*					*
JT031	Condition night observation devices			*					*
JT032	Condition night sighting devices			*					*
JT033	Align AFV sighting systems				*			*	*
JT034	Test AFV sighting systems				*			*	*
JT035	Inspect AFV sighting systems				*			*	*
JT036	Diagnose faults in AFV sighting systems				*			*	*
JT037	Remove/replace components of AFV sighting systems				*			*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT038	Condition AFV sighting systems				*			*	*
JT039	Repair AFV sighting systems				*			*	*
JT040	Inspect mechanical instruments			*	*	*	*	*	*
JT041	Test mechanical instruments			*		*			*
JT042	Adjust mechanical instruments			*		*			*
JT043	Repair mechanical instruments			*		*			*
JT044	Condition mechanical instruments			*		*			*
JT045	Inspect radioactive illuminating devices		*	*	*	*	*	*	*
JT046	Inspect quadrants/clinometers			*	*	*	*	*	*
JT047	Adjust quadrants/clinometers			*					*
JT048	Test quadrants/clinometers			*					*
JT049	Diagnose faults in quadrants/clinometers			*					*
JT050	Remove/replace quadrants/clinometers			*	*	*	*	*	*
JT051	Condition quadrants/clinometers			*					*
JT052	Repair quadrants/clinometers			*					*
JT053	Adjust level vials			*	*	*			*
JT054	Remove/replace level vials			*		*			*
JT055	Remove/replace scales			*		*			*
JT056	Repair scales			*		*			*
JT057	Condition scales			*		*			*
JT058	Inspect magnetic compasses			*	*	*	*	*	*
JT059	Adjust magnetic compasses			*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT060	Test magnetic compasses			*					*
JT061	Diagnose faults in magnetic compasses			*					*
JT062	Repair magnetic compasses			*					*
JT063	Condition magnetic compasses			*					*
JT064	Setup optical/optronic test equipment and adapters		*	*					*
JT065	Align optical/optronic test equipment and adapters		*	*					*
JT066	Inspect optical/optronic test equipment and adapters		*	*					*
JT067	Test optical/optronic test equipment and adapters		*	*					*
JT068	Diagnose faults in optical/optronic test equipment and adapters		*	*					*
JT069	Condition optical/optronic test equipment and adapters		*	*					*
JT070	Repair optical/optronic test equipment and adapters		*	*					*
JT071	Perform OSS AHQJ requirements as described in A-PD-055-003/PQ-001			*					

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
CS001	Technical writing		1	1	1	1	1	1	1		1
S001	Operating cranes/hoists/winches		2	2	2	2	2	2	2		2
+ S002	Bench fitting		2	2	2	2	2	2	2		2
+ S003	High reliability soldering			2	2						2
+ S004	Using common hand tools		2	2	2	2	2	2	2		2
+ S005	Soldering		2	2	2	2	2	2	2		2
+ S006	Operating hand-held power tools		2	2	2	2	2	2	2		2
+ S007	Hand filing		2	2	2	2	2	2	2		2
+ S008	Operating machine tools		2	2	2	2	2	2	2		2
+ S009	Boresighting				2	2	2	2	2		2
S010	Operating materiel handling equipment		2	2	2	2	2	2	2		2
S011	Precision measuring		2	2	2	2	2	2	2		2
S012	Using test equipment		2	2	2	2	2	2	2		2
S013	Driving		2	2	2	2	2	2	2		2
+ S014	Troubleshooting		2	2	2	2	2	2	2		2
+ S015	Freehand sketching		2	2	2	2	2	2	2		2
S016	Keyboarding		1	1	1	1	1	1	1		1
+ S017	Interpreting technical/mechanical drawings and schematics		2	2	2	2	2	2	2		2
S018	Operating Information Technology (IT) systems		1	1	1	1	1	1	1		1
+ S019	Managing materiel resources		2	2	2	2	2	2	2		2
+ S020	Precision layout		2	2	2	2	2	2	2		2
S021	Financial forecasting										1
S022	Evaluating maintenance management information		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
BK001	Civilian employee administration									1
CK001	Technical library procedures	1	1	1	1	1	1	1		1
CK002	Technical writing techniques	1	1	1	1	1	1	1		1
CK003	Attrition Warning Reports (AWR)									1
HK001	Field power distribution systems	2								2
HK002	Range duties				2	2	2	2		2
K001	Algebra	1	1	1	1	1	1	1		2
K002	Boolean algebra		2							2
K003	Geometry	1	1	1	1	1	1	1		2
K004	Trigonometry	1	1	1	1	1	1	1		2
K005	Calculus	1	1	1	1	1	1	1		2
K006	Binary/octal/hexadecimal numbering systems		2							2
+ K007	Physics	1	2	2	1	1	1	1		2
K008	Magnetism	2	2	2	2	2	2	2		2
+ K009	Types/applications of abrasive materials	2	2	2	2	2	2	2		2
K010	Principles of mechanical advantage	1	1	1	1	1	1	1		1
K011	Operating procedures of engine driven generator systems	2	2	2	2	2	2	2		2
K012	Magnetic compass theory			1						1
K013	High pressure cylinder colour coding	2	2	2	2	2	2	2		2
K014	Regulators and pressure gauges	2	2	2	2	2	2	2		2
+ K015	Soldering principles and applications	2	2	2	2	2	2	2		2
K016	Soldering techniques	2	2	2	2	2	2	2		2
K017	Hoist/winch system operating procedures	2	2	2	2	2	2	2		2
K018	Lifting and jacking devices	2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K019	Shop rules and regulations		2	2	2	2	2	2	2		2
K020	Security regulations and orders		2	2	2	2	2	2	2		2
K021	Laser safety regulations		2	2	2	2	2	2	2		2
K022	Industrial safety practices		2	2	2	2	2	2	2		2
+ K023	Hazardous waste disposal procedures		2	2	2	2	2	2	2		2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2	2	2	2	2	2		2
K025	Radiation hazards			2	2	2	2	2	2		2
K026	Electrical/electronic safety precautions and hazards		2	2	2	2	2	2	2		2
K027	Use of Personal Protective Equipment (PPE)		2	2	2	2	2	2	2		2
+ K028	Maintenance control records system and procedures		2	2	2	2	2	2	2		2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2	2	2	2	2	2		2
K030	Workshop capabilities and functions		1	1	1	1	1	1	1		1
+ K031	Land Maintenance Systems (LMS)		1	1	1	1	1	1	1		2
+ K032	Effects of weather or extreme conditions on equipment		2	2	2	2	2	2	2		2
K033	Metric conversion		1	1	1	1	1	1	1		1
K034	Electronic theory			2	2	2	2	2	2		2
K035	Mechanical measuring devices construction/theory of operation		2	2	2	2	2	2	2		2
K036	Calibration of mechanical measuring devices		1	1	1	1	1	1	1		1
+ K037	Depreservation and preservation		2	2	2	2	2	2	2		2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1	1	1	1	1	1		1
+ K039	Drill bits characteristics/identification/specification system		2	2	2	2	2	2	2		2
+ K040	Characteristics and uses of common hand tools		2	2	2	2	2	2	2		2
+ K041	Characteristics and uses of hand-held power tools		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K042	Uses and applications of mechanical locking devices		2	2	2	2	2	2	2		2
K043	Mechanical alignment techniques		1	1	1	1	1	1	1		1
+ K044	Mechanical adjustment techniques		2	2	2	2	2	2	2		2
K045	Calculation and selection of tap drill size		1	1	1	1	1	1	1		1
K046	Fastener identification		1	1	1	1	1	1	1		1
K047	Electrical/electronic schematics		2	2	2	2	2	2	2		2
+ K048	Mechanical drawings		2	2	2	2	2	2	2		2
+ K049	Sketching techniques		2	2	2	2	2	2	2		2
K050	Electrical test equipment		2	2	2	2	2	2	2		2
K051	Electronic test equipment		2	2	2	2	2	2	2		2
K052	Automated Built-In Tests (BIT)		2	2	2	2	2	2	2		2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1	1	1	1	1	1		1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2	2	2	2	2	2		2
K056	Electric motor theory		2	2	2	2	2	2	2		2
K057	Types and applications of electrical wire/cable		2	2	2	2	2	2	2		2
K058	Electrical wire/cable identification coding		2	2	2	2	2	2	2		2
K059	Types of wire/cable splices and their applications		2	2	2	2	2	2	2		2
K060	Turret/cab electrical system interfaces					2	2	2	2		2
+ K061	Converters/inverters theory		2	2		2	2	2	2		2
K062	Electrical circuit troubleshooting and analysis procedures		2	2	2	2	2	2	2		2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory			1	1	1	1	1	1		2
K065	Solid state devices		1	2	2	2	2	2	2		2
K066	Electro-Static Discharge (ESD)		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K067	Digital logic theory			2		2	2	2	2		2
K068	Digital computer interface principles and techniques			2		2	2	2	2		2
K069	Basic computer theory			2		2	2	2	2		2
K070	Computer operating systems		1	1	1	1	1	1	1		1
K071	Printed circuit board repair techniques			2	2						2
K072	Video integrated gunnery system simulators			1							1
+ K073	Zeroing/boresighting procedures				2	2	2	2	2		2
K074	Basic principles and theories of light				2	1	1	1	1		1
K075	Operation of day/night viewing equipment				1	1	1	1	1		1
+ K076	Operation of thermal imaging systems			2		2	2	2	2		2
K077	Operation of laser systems			2	2	2	2	2	2		2
+ K078	Classifications/applications of lasers			2	2	2	2	2	2		2
+ K079	Use and application of lenses/filters			2	2	2	2	2	2		2
K080	Gyroscope theory			1	1	1	1	1	1		1
K081	Operation of projection systems			1	1	1	1	1	1		1
+ K082	Integrated fire control systems					2	2	2	2		2
K083	National electrical code		2								2
+ K084	Condemnation procedures		1	1	1	1	1	1	1		2
K085	CF scales of issue		1	1	1	1	1	1	1		1
+ K086	Technical Failure Reports (TFR)		1	1	1	1	1	1	1		2
+ K087	Work scheduling procedures		1	1	1	1	1	1	1		2
K088	Planned maintenance scheduling and types of inspections		1	1	1	1	1	1	1		1
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1	1	1	1	1	1		1
+ K090	Battlefield damage repair technique		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K091	Defensive positions of maintenance organizations		2	2	2	2	2	2	2		2
+ K092	Brake systems construction/theory of operation		2	2	2	2	2	2	2		2
K093	Hand signals for casualty/load manoeuvering		2	2	2	2	2	2	2		2
+ K094	Corrosion prevention and control techniques		2	2	2	2	2	2	2		2
K095	Non-destructive testing		1	1	1	1	1	1	1		1
K096	Types of drawing		2	2	2	2	2	2	2		2
K097	Operation of anti-armour weapon systems								2		2
K098	Financial accounting procedures		1	1	1	1	1	1	1		1
K099	Quality Assurance/Quality Control (QA/QC) procedures		1	1	1	1	1	1	1		2
K100	Warranty procedures		1	1	1	1	1	1	1		2
K101	Equipment Logistic Directives (ELD)		1	1	1	1	1	1	1		1
K102	Equipment Support Lists (ESL)		1	1	1	1	1	1	1		1
K103	Canadian Field Force equipment table (CFFET)		1	1	1	1	1	1	1		1
K104	Contract staffing requirements and procedures										1
K105	Canadian Forces Organization Orders (CFOO)		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*						*
AT002#	Decontaminate equipment	*	*						*
AT003#	Destroy equipment to deny use	*	*						*
AT004#	Execute convoy functions	*	*						*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*						*
AT006#	Direct MRT/recovery activities	*	*						*
+AT007#	Conduct maintenance platoon defensive area clearance operations	*	*						*
+AT008#	Investigate battlefield damage repair procedures	*	*						*
+AT009#	Layout maintenance platoon defensive positions	*	*						*
+AT010#	Plan maintenance platoon defensive area clearance operations	*	*						*
+AT011#	Select maintenance platoon defensive positions	*	*						*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews	*	*						*
BT002#	Implement budget guidelines	*	*						*
BT003#	Monitor financial expenditures	*	*						*
BT004#	Prepare budget submissions	*	*						*
BT005#	Prepare civilian Performance Review Reports (PRR)	*	*						*
BT006#	Prepare cost estimates	*	*						*
BT007#	Recommend budget adjustments	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
BT008#	Review cost estimates	*	*						*
+BT009#	Authorize financial expenditures	*	*						*
+BT010#	Certify civilian time sheets	*	*						*
+BT011#	Coordinate civilian overtime	*	*						*
+BT012#	Participate in civilian competition boards	*	*						*
+BT013#	Participate in civilian disciplinary hearings	*	*						*
+BT014#	Participate in civilian staffing appeals	*	*						*
+BT015#	Prepare civilian work descriptions	*	*						*
+BT016#	Prepare military statement of duties	*	*						*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*						*
CT002#	Perform periodic inspections on equipment	*	*						*
CT003#	Complete time accounting forms	*	*						*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*						*
CT006#	Research part numbers/information from relevant media	*	*						*
CT007#	Advise contractors on technical problems	*	*						*
CT008#	Condemn equipment	*	*						*
CT009#	Coordinate equipment calibration	*	*						*
CT010#	Coordinate equipment disposal	*	*						*
CT011#	Coordinate spare parts stock levels	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
CT012#	Design equipment modifications	*	*						*
CT013#	Determine levels of repair	*	*						*
CT014#	Determine project/repair feasibility	*	*						*
CT015#	Determine scales of issue	*	*						*
CT016#	Establish contracts with outside agencies	*	*						*
CT017#	Estimate time/costs to complete projects and repairs	*	*						*
CT018#	Implement equipment modification plans	*	*						*
CT019#	Maintain land maintenance systems databases	*	*						*
CT020#	Monitor contracts with outside agencies	*	*						*
CT021#	Monitor equipment modifications	*	*						*
CT022#	Perform annual technical inspections	*	*						*
CT023#	Perform technical evaluation	*	*						*
CT024#	Prepare Technical Failure Reports (TFR)	*	*						*
CT025#	Prepare technical inspection reports	*	*						*
CT026#	Provide test and evaluation assistance to civilian contractors	*	*						*
CT027#	Recommend battlefield damage repair procedures	*	*						*
CT028#	Recommend changes to equipment testing procedures	*	*						*
CT029#	Review contract demands on locally procured items	*	*						*
CT030#	Review technical reports	*	*						*
CT031#	Source parts	*	*						*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT033#	Verify scales of issue	*	*						*
+CT034#	Amend permissive repair schedule	*	*						*
+CT035#	Analyse statistical reports	*	*						*
+CT036#	Certify receipt of contractor services	*	*						*
+CT037#	Conduct repair time trials	*	*						*
+CT038#	Conduct technical investigations	*	*						*
+CT039#	Control equipment configuration	*	*						*
+CT040#	Coordinate technical field trials	*	*						*
+CT041#	Define equipment capabilities	*	*						*
+CT042#	Draft standard repair times	*	*						*
+CT043#	Evaluate prototype/equipment modifications	*	*						*
+CT044#	Formulate maintenance plans	*	*						*
+CT045#	Formulate maintenance policies and procedures	*	*						*
+CT046#	Investigate new maintenance procedures/test equipment/facilities	*	*						*
+CT047#	Maintain technical data packages	*	*						*
+CT048#	Monitor equipment repair delays	*	*						*
+CT049#	Prepare business plans	*	*						*
+CT050#	Prepare service papers	*	*						*
+CT051#	Prepare statements of technical requirements and specifications	*	*						*
+CT052#	Review contractor documentation/publications	*	*						*
+CT053#	Review suggestion award submissions								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
+CT054#	Review technical documents and design data	*	*						*
+CT055#	Staff materiel authorization documents	*	*						*
+CT056#	Staff Technical Failure Reports (TFR)/Unsatisfactory Condition Reports (UCR)	*	*						*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*						*
DT002#	Issue/receive equipment, stores and spare parts	*	*						*
DT003#	Maintain tool cribs	*	*						*
DT004#	Operate Light Armoured Vehicles (LAV)	*	*						*
DT005#	Operate materiel handling equipment	*	*						*
DT006#	Operate tracked vehicles	*	*						*
DT007#	Operate wheeled vehicles	*	*						*
DT008#	Account for parts	*	*						*
DT009#	Hasten supply demands	*	*						*
DT010#	Inspect equipment/materiel in storage	*	*						*
DT011#	Maintain supply demand registers	*	*						*
DT012#	Setup section/unit stores system	*	*						*
DT013#	Purge parts from stock holdings	*	*						*
DT014#	Recommend changes to technical drawings/blueprints	*	*						*
DT015#	Scale parts	*	*						*
+DT016#	Direct technical field trials	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET002	Clean work areas	*	*						*
ET004	Maintain basic workshop tools and equipment	*	*						*
ET005	Maintain personal tools/tool kits	*	*						*
ET007	Secure equipment	*	*						*
ET008	Coordinate radioactive waste storage		*						*
ET009	Maintain radioactive waste storage		*						*
ET010	Maintain workshop test equipment	*	*						*
ET011	Swipe-test radioactive contamination in work areas and on equipment		*						*
+ET012	Perform investigative equipment teardown/disassembly		*						*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*						*
FT002	Repair damaged threads	*	*						*
FT003	Punch holes	*	*						*
FT004	Ream holes	*	*						*
FT005	Tap holes	*	*						*
FT006	Drill holes	*	*						*
FT007	Finish metal surfaces	*	*						*
FT008	Dress grinding wheels	*	*						*
FT009	Sharpen drill bits	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
FT010	Install/remove rivets	*	*						*
FT011	Remove damaged screws/studs	*	*						*
FT012	Remove/install helicoil inserts	*	*						*
FT013	Lock-wire components	*	*						*
FT014	Torque fasteners	*	*						*
FT015	Remove/replace gaskets/seals	*	*						*
FT016	Inspect bearings/bushings	*	*						*
FT017	Remove/replace bearings/bushings	*	*						*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components								*
GT002	Test AFV electrical components								*
GT003	Remove/replace AFV electrical components								*
GT004	Rebuild AFV electrical components								*
GT005	Repair AFV electrical components								*
	DUTY AREA H - ELECTRICAL								
HT001	Test electric motors	*	*						*
HT002	Adjust electric motors	*	*						*
HT003	Inspect electric motors	*	*						*
HT004	Diagnose faults in electric motors		*						*
HT005	Remove/replace electric motors	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*
HT008	Reverse rotation/change operating voltage of electric motors	*	*						*
HT009	Inspect electrical power tools	*	*						*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*
HT012	Condition electrical power tools		*						*
HT013	Inspect electric pump/motor control units	*	*						*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*						*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*						*
HT018	Adjust sequential operation of switches/relays	*	*						*
HT019	Inspect sequential operation of switches/relays	*	*						*
HT020	Remove/replace switches/relays	*	*						*
HT021	Repair switches/relays	*	*						*
HT022	Condition switches/relays	*	*						*
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*
HT027	Condition electrical appliances		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*						*
HT030	Adjust turret electrical controls/fire control systems								*
HT031	Inspect turret electrical controls/fire control systems								*
HT032	Test turret electrical controls/fire control systems								*
HT033	Remove/replace turret electrical components								*
HT034	Locate electrical interference/noise sources	*	*						*
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*						*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*						*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*						*
HT043	Remove/replace transformers	*	*						*
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*						*
HT045	Adjust SEV power distribution systems	*	*						*
HT046	Inspect SEV power distribution systems	*	*						*
HT047	Repair faults in SEV power distribution systems	*	*						*
HT048	Diagnose faults in SEV power distribution systems	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT049	Test converters/rectifiers	*	*						*
HT050	Adjust converters/rectifiers	*	*						*
HT051	Inspect converters/rectifiers	*	*						*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*						*
HT055	Adjust portable electrical power supplies		*						*
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*						*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*						*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*						*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*						*
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*						*
HT069	Service NiCad/lithium batteries	*	*						*
HT070	Test NiCad/lithium batteries	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT071	Remove/replace NiCad or lithium batteries	*	*						*
HT072	Diagnose electrical faults in engine driven generators	*							*
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*
HT077	Calculate electrical power requirements	*							*
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*						*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*						*
HT084	Perform power output checks	*	*						*
HT085	Perform frequency measurement tests	*	*						*
HT086	Perform voltage drop tests	*	*						*
HT087	Measure voltages	*	*						*
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*						*
HT092	Adjust non-ADP office equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT093	Inspect non-ADP office equipment		*						*
HT094	Diagnose faults in non-ADP office equipment		*						*
HT095	Condition non-ADP office equipment		*						*
HT096	Repair non-ADP office equipment		*						*
HT097	Fabricate wiring harnesses	*	*						*
HT098	Perform electrical continuity checks	*	*						*
HT099	Adjust switches	*	*						*
HT100	Test switches	*	*						*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*						*
HT102	Test electrical cables/cords	*	*						*
HT103	Repair electrical cables/cords	*	*						*
HT104	Install solderless terminals	*	*						*
HT105	Tape electrical cables	*	*						*
HT106	Solder electrical wires/cables	*	*						*
HT107	Splice electrical wires/cables	*	*						*
HT108	Strip electrical wires/cables	*	*						*
HT109	Trace electrical wiring/cabling	*	*						*
HT110	Remove/install electrical cables/harnesses	*	*						*
HT111	Repair cable sheaths/insulation	*	*						*
HT112	Replace grounding straps/cables	*	*						*
HT113	Check grounding straps	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*						*
IT005	Diagnose faults in printed circuit boards/modules		*						*
IT006	Perform printed circuit board adjustments		*						*
IT007	Test electronic components		*						*
IT008	Test electronic controllers		*						*
IT009	Adjust electronic controllers		*						*
IT010	Inspect electronic controllers	*	*						*
IT011	Remove/replace electronic controllers	*	*						*
IT012	Diagnose faults on electronic controllers		*						*
IT013	Repair faults on electronic controllers		*						*
IT014	Inspect mine detection devices		*						*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*						*
IT020	Inspect non-laser electronic distance measuring equipment		*						*
IT021	Test non-laser electronic distance measuring equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*						*
IT023	Repair non-laser electronic distance measuring equipment		*						*
IT024	Condition non-laser electronic distance measuring equipment		*						*
IT025	Inspect electronic chemical detecting/monitoring equipment		*						*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*
IT028	Inspect thermal observation equipment		*						*
IT029	Remove/replace thermal observation equipment		*						*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*
IT039	Inspect global positioning systems		*						*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*						*
IT042	Condition global positioning systems		*						*
IT043	Repair global positioning systems		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*						*
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*						*
IT048	Setup video projection/viewing equipment		*						*
IT049	Inspect video projection/viewing equipment		*						*
IT050	Inspect electronic simulators/components		*						*
IT051	Setup electronic simulators/components		*						*
IT052	Inspect general electronic test equipment	*	*						*
IT053	Inspect special-to-type electronic test equipment		*						*
IT054	Purge electronic equipment		*						*
IT055	Desiccate electronic equipment		*						*
IT056	Seal electronic equipment		*						*
IT057	Perform pressurization test on electronic equipment		*						*
IT058	Inspect anti-armour guided missile launcher systems								*
IT059	Test anti-armour guided missile launcher systems								*
IT060	Adjust anti-armour guided missile launcher systems								*
IT061	Remove/replace anti-armour guided missile launcher systems/components								*
IT062	Diagnose faults in anti-armour guided missile launcher systems/components								*
IT063	Repair anti-armour guided missile launcher systems/components								*
IT064	Condition anti-armour guided missile launcher systems/components								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems								*
IT066	Perform printed circuit board repairs		*						*
IT067	Inspect Explosive Ordnance Disposal (EOD) electronic handling equipment		*						*
IT068	Adjust EOD electronic handling equipment		*						*
IT069	Test EOD electronic handling equipment		*						*
IT070	Repair EOD electronic handling equipment		*						*
IT071	Diagnose EOD electronic handling equipment		*						*
IT072	Adjust electronic chemical detecting/monitoring equipment		*						*
IT073	Test electronic chemical detecting/monitoring equipment		*						*
IT074	Diagnose faults on electronic chemical detecting/monitoring equipment		*						*
IT075	Repair electronic chemical detection/monitoring equipment		*						*
IT076	Condition electronic chemical detection/monitoring equipment		*						*
IT077	Adjust computer systems		*						*
IT078	Locate faults in computer systems		*						*
IT079	Remove/replace major subassemblies of computers		*						*
IT080	Condition components of computer systems		*						*
IT081	Repair components of computer systems		*						*
IT082	Adjust video projection/viewing equipment		*						*
IT083	Test video projection/viewing equipment		*						*
IT084	Diagnose faults on video projection/viewing equipment		*						*
IT085	Repair video projection/viewing equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT086	Condition video projection/viewing equipment		*						*
IT087	Adjust electronic simulators/components		*						*
IT088	Test electronic simulators/components		*						*
IT089	Remove/replace electronic simulators/components		*						*
IT090	Diagnose faults in electronic simulators/components		*						*
IT091	Condition electronic simulators/components		*						*
IT092	Repair electronic simulators/components		*						*
IT093	Adjust special-to-type electronic test equipment		*						*
IT094	Repair special-to-type electronic test equipment		*						*
IT095	Condition special-to-type electronic test equipment		*						*
	DUTY AREA J - OPTRONICS								
JT001	Inspect day optical observing and sighting instruments								*
JT002	Test day optical observing and sighting instruments								*
JT003	Adjust day optical observing and sighting instruments								*
JT004	Diagnose faults in day optical observing and sighting instruments								*
JT005	Remove/replace day optical observing and sighting instruments								*
JT006	Repair day optical observing and sighting instruments								*
JT007	Condition day optical observing and sighting instruments								*
JT008	Purge optical equipment								*
JT009	Desiccate optical equipment								*
JT010	Seal optical equipment								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT011	Perform pressurization test on optical equipment								*
JT012	Adjust laser devices		*						*
JT013	Inspect laser devices		*						*
JT014	Test laser devices		*						*
JT015	Diagnose faults in laser devices		*						*
JT016	Remove/replace laser devices		*						*
JT017	Repair laser devices		*						*
JT018	Condition laser devices		*						*
JT019	Inspect night observation devices								*
JT020	Test night observation devices		*						*
JT021	Diagnose faults in night sighting devices		*						*
JT022	Test night sighting devices								*
JT023	Adjust night observation devices		*						*
JT024	Repair night observation devices		*						*
JT025	Diagnose faults in night observation devices		*						*
JT026	Inspect night sighting devices								*
JT027	Remove/replace night sighting devices		*						*
JT028	Adjust night sighting devices								*
JT029	Remove/replace night observation devices		*						*
JT030	Repair night sighting devices								*
JT031	Condition night observation devices								*
JT032	Condition night sighting devices								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT033	Align AFV sighting systems								*
JT034	Test AFV sighting systems								*
JT035	Inspect AFV sighting systems								*
JT036	Diagnose faults in AFV sighting systems								*
JT037	Remove/replace components of AFV sighting systems								*
JT038	Condition AFV sighting systems								*
JT039	Repair AFV sighting systems								*
JT040	Inspect mechanical instruments								*
JT041	Test mechanical instruments								*
JT042	Adjust mechanical instruments								*
JT043	Repair mechanical instruments								*
JT044	Condition mechanical instruments								*
JT045	Inspect radioactive illuminating devices		*						*
JT046	Inspect quadrants/clinometers								*
JT047	Adjust quadrants/clinometers								*
JT048	Test quadrants/clinometers								*
JT049	Diagnose faults in quadrants/clinometers								*
JT050	Remove/replace quadrants/clinometers								*
JT051	Condition quadrants/clinometers								*
JT052	Repair quadrants/clinometers								*
JT053	Adjust level vials								*
JT054	Remove/replace level vials								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT055	Remove/replace scales								*
JT056	Repair scales								*
JT057	Condition scales								*
JT058	Inspect magnetic compasses								*
JT059	Adjust magnetic compasses								*
JT060	Test magnetic compasses								*
JT061	Diagnose faults in magnetic compasses								*
JT062	Repair magnetic compasses								*
JT063	Condition magnetic compasses								*
JT064	Setup optical/optronic test equipment and adapters		*						*
JT065	Align optical/optronic test equipment and adapters		*						*
JT066	Inspect optical/optronic test equipment and adapters		*						*
JT067	Test optical/optronic test equipment and adapters		*						*
JT068	Diagnose faults in optical/optronic test equipment and adapters		*						*
JT069	Condition optical/optronic test equipment and adapters		*						*
JT070	Repair optical/optronic test equipment and adapters		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
+CS001	Technical writing		2	2							2
S001	Operating cranes/hoists/winches		2	2							2
S002	Bench fitting		2	2							2
S003	High reliability soldering			2							2
S004	Using common hand tools		2	2							2
S005	Soldering		2	2							2
S006	Operating hand-held power tools		2	2							2
S007	Hand filing		2	2							2
S008	Operating machine tools		2	2							2
S009	Boresighting										2
S010	Operating materiel handling equipment		2	2							2
S011	Precision measuring		2	2							2
S012	Using test equipment		2	2							2
S013	Driving		2	2							2
S014	Troubleshooting		2	2							2
S015	Freehand sketching		2	2							2
S016	Keyboarding		1	1							1
S017	Interpreting technical/mechanical drawings and schematics		2	2							2
+ S018	Operating Information Technology (IT) systems		2	2							2
S019	Managing materiel resources		2	2							2
S020	Precision layout		2	2							2
S021	Financial forecasting		1	1							1
+ S022	Evaluating maintenance management information		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
+BK001	Civilian employee administration		2	2						2
+CK001	Technical library procedures		2	2						2
+CK002	Technical writing techniques		2	2						2
+CK003	Attrition Warning Reports (AWR)		2	2						2
+CK004	On Site Establishment Evaluation Reviews (OSEER)		1	1						1
HK001	Field power distribution systems		2							2
HK002	Range duties									2
K001	Algebra		1	1						1
K002	Boolean algebra			1						1
K003	Geometry		1	1						1
K004	Trigonometry		1	1						1
K005	Calculus		1	1						1
K006	Binary/octal/hexadecimal numbering systems			1						1
K007	Physics		1	1						1
K008	Magnetism		1	1						1
K009	Types/applications of abrasive materials		1	1						1
K010	Principles of mechanical advantage		1	1						1
K011	Operating procedures of engine driven generator systems		1	1						1
K012	Magnetic compass theory		1							1
K013	High pressure cylinder colour coding		2	2						2
K014	Regulators and pressure gauges		2	2						2
K015	Soldering principles and applications		1	1						1
K016	Soldering techniques		1	1						1
K017	Hoist/winch system operating procedures		2	2						2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K018	Lifting and jacking devices		2	2							2
K019	Shop rules and regulations		2	2							2
K020	Security regulations and orders		2	2							2
K021	Laser safety regulations		2	2							2
K022	Industrial safety practices		2	2							2
K023	Hazardous waste disposal procedures		2	2							2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2							2
K025	Radiation hazards		2	2							2
K026	Electrical/electronic safety precautions and hazards		2	2							2
K027	Use of Personal Protective Equipment (PPE)		2	2							2
K028	Maintenance control records system and procedures		2	2							2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2							2
+ K030	Workshop capabilities and functions		2	2							2
K031	Land Maintenance Systems (LMS)		2	2							2
K032	Effects of weather or extreme conditions on equipment		2	2							2
K033	Metric conversion		1	1							1
K034	Electronic theory			2							2
K035	Mechanical measuring devices construction/theory of operation		2	2							2
K036	Calibration of mechanical measuring devices		1	1							1
K037	Depreservation and preservation		2	2							2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1							1
K039	Drill bits characteristics/identification/specification system		1	1							1
K040	Characteristics and uses of common hand tools		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K041	Characteristics and uses of hand-held power tools		2	2							2
K042	Uses and applications of mechanical locking devices		2	2							2
+ K043	Mechanical alignment techniques		2	2							2
K044	Mechanical adjustment techniques		2	2							2
K045	Calculation and selection of tap drill size		1	1							1
K046	Fastener identification		1	1							1
K047	Electrical/electronic schematics		2	2							2
K048	Mechanical drawings		2	2							2
K049	Sketching techniques		2	2							2
K050	Electrical test equipment		2	2							2
K051	Electronic test equipment		2	2							2
K052	Automated Built-In Tests (BIT)		2	2							2
K053	Generator systems operation theory		2								2
+ K054	Synchro-servo theory			2							2
K055	Alternating Current/Direct Current (AC/DC) theory		2	2							2
K056	Electric motor theory		2	2							2
K057	Types and applications of electrical wire/cable		2	2							2
K058	Electrical wire/cable identification coding		2	2							2
K059	Types of wire/cable splices and their applications		2	2							2
K060	Turret/cab electrical system interfaces										1
K061	Converters/inverters theory		2	2							2
K062	Electrical circuit troubleshooting and analysis procedures		2	2							2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory		1	1							1
K065	Solid state devices		1	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K066	Electro-Static Discharge (ESD)		2	2							2
K067	Digital logic theory			2							2
K068	Digital computer interface principles and techniques			2							2
K069	Basic computer theory			2							2
K070	Computer operating systems		1	1							1
K071	Printed circuit board repair techniques			2							2
+ K072	Video integrated gunnery system simulators			2							2
K073	Zeroing/boresighting procedures										2
K074	Basic principles and theories of light			1							2
K075	Operation of day/night viewing equipment		1								1
K076	Operation of thermal imaging systems			2							2
K077	Operation of laser systems			2							2
K078	Classifications/applications of lasers			2							2
K079	Use and application of lenses/filters		1	2							2
+ K080	Gyroscope theory			2							2
K081	Operation of projection systems			1							1
K082	Integrated fire control systems										2
K083	National electrical code		2								2
K084	Condemnation procedures		2	2							2
+ K085	CF scales of issue		2	2							2
K086	Technical Failure Reports (TFR)		2	2							2
K087	Work scheduling procedures		2	2							2
+ K088	Planned maintenance scheduling and types of inspections		2	2							2
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K090	Battlefield damage repair technique		2	2							2
K091	Defensive positions of maintenance organizations		2	2							2
K092	Brake systems construction/theory of operation		2	2							2
K093	Hand signals for casualty/load manoeuvering		2	2							2
K094	Corrosion prevention and control techniques		2	2							2
K095	Non-destructive testing		1	1							1
K096	Types of drawing		2	2							2
K097	Operation of anti-armour weapon systems										2
+ K098	Financial accounting procedures		2	2							2
K099	Quality Assurance/Quality Control (QA/QC) procedures		2	2							2
K100	Warranty procedures		2	2							2
+ K101	Equipment Logistic Directives (ELD)		2	2							2
+ K102	Equipment Support Lists (ESL)		2	2							2
+ K103	Canadian Field Force equipment table (CFFET)		2	2							2
+ K104	Contract staffing requirements and procedures		2	2							2
K105	Canadian Forces Organization Orders (CFOO)		1	1							1
+ K106	Life Cycle Material Management (LCMM) procedures		1	1							1
+ K107	Integrated Logistics Support (ILS)		1	1							1
+ K108	Accident/incident investigation procedures		1	1							1
+ K109	Supply item management procedures		1	1							1
+ K110	Measurement of workshop performance		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	TASKS								
	DUTY AREA A - OPERATIONS								
AT002#	Decontaminate equipment	*	*						*
AT003#	Destroy equipment to deny use	*	*						*
AT004#	Execute convoy functions	*	*						*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*						*
AT006#	Direct MRT/recovery activities	*	*						*
AT007#	Conduct maintenance platoon defensive area clearance operations	*	*						*
AT008#	Investigate battlefield damage repair procedures	*	*						*
AT009#	Layout maintenance platoon defensive positions	*	*						*
AT010#	Plan maintenance platoon defensive area clearance operations	*	*						*
AT011#	Select maintenance platoon defensive positions	*	*						*
+AT012#	Conduct maintenance company defensive area clearance operations	*	*						*
+AT013#	Layout maintenance company defensive positions	*	*						*
+AT014#	Plan maintenance company defensive area clearance operations	*	*						*
+AT015#	Select maintenance company defensive positions	*	*						*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews	*	*						*
BT002#	Implement budget guidelines	*	*						*
BT003#	Monitor financial expenditures	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
BT004#	Prepare budget submissions	*	*						*
BT005#	Prepare civilian Performance Review Reports (PRR)	*	*						*
BT006#	Prepare cost estimates	*	*						*
BT007#	Recommend budget adjustments	*	*						*
BT008#	Review cost estimates								*
BT009#	Authorize financial expenditures	*	*						*
BT010#	Certify civilian time sheets	*	*						*
BT011#	Coordinate civilian overtime	*	*						*
BT012#	Participate in civilian competition boards	*	*						*
BT013#	Participate in civilian disciplinary hearings	*	*						*
BT014#	Participate in civilian staffing appeals	*	*						*
BT015#	Prepare civilian work descriptions	*	*						*
BT016#	Prepare military statement of duties	*	*						*
+BT017#	Conduct civilian competition boards	*	*						*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT003#	Complete time accounting forms	*	*						*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*						*
CT006#	Research part numbers/information from relevant media	*	*						*
CT007#	Advise contractors on technical problems	*	*						*
CT008#	Condemn equipment	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT009#	Coordinate equipment calibration	*	*						*
CT010#	Coordinate equipment disposal	*	*						*
CT011#	Coordinate spare parts stock levels	*	*						*
CT012#	Design equipment modifications	*	*						*
CT013#	Determine levels of repair	*	*						*
CT014#	Determine project/repair feasibility	*	*						*
CT015#	Determine scales of issue	*	*						*
CT016#	Establish contracts with outside agencies	*	*						*
CT017#	Estimate time/costs to complete projects and repairs	*	*						*
CT018#	Implement equipment modification plans	*	*						*
CT019#	Maintain land maintenance systems databases	*	*						*
CT020#	Monitor contracts with outside agencies	*	*						*
CT021#	Monitor equipment modifications	*	*						*
CT022#	Perform annual technical inspections	*	*						*
CT023#	Perform technical evaluation	*	*						*
CT024#	Prepare Technical Failure Reports (TFR)	*	*						*
CT025#	Prepare technical inspection reports	*	*						*
CT026#	Provide test and evaluation assistance to civilian contractors	*	*						*
CT027#	Recommend battlefield damage repair procedures	*	*						*
CT028#	Recommend changes to equipment testing procedures	*	*						*
CT029#	Review contract demands on locally procured items	*	*						*
CT030#	Review technical reports	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
CT031#	Source parts	*	*						*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*						*
CT033#	Verify scales of issue	*	*						*
CT034#	Amend permissive repair schedule	*	*						*
CT035#	Analyse statistical reports	*	*						*
CT036#	Certify receipt of contractor services	*	*						*
CT037#	Conduct repair time trials	*	*						*
CT038#	Conduct technical investigations	*	*						*
CT039#	Control equipment configuration	*	*						*
CT040#	Coordinate technical field trials	*	*						*
CT041#	Define equipment capabilities	*	*						*
CT042#	Draft standard repair times	*	*						*
CT043#	Evaluate prototype/equipment modifications	*	*						*
CT044#	Formulate maintenance plans	*	*						*
CT045#	Formulate maintenance policies and procedures	*	*						*
CT046#	Investigate new maintenance procedures/test equipment/facilities	*	*						*
CT047#	Maintain technical data packages	*	*						*
CT048#	Monitor equipment repair delays	*	*						*
CT049#	Prepare business plans	*	*						*
CT050#	Prepare service papers	*	*						*
CT051#	Prepare statements of technical requirements and specifications	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT052#	Review contractor documentation/publications	*	*						*
CT053#	Review suggestion award submissions								*
CT054#	Review technical documents and design data	*	*						*
CT055#	Staff materiel authorization documents	*	*						*
CT056#	Staff Technical Failure Reports (TFR)/Unsatisfactory Condition Reports (UCR)	*	*						*
+CT057#	Analyse integrated logistic support components	*	*						*
+CT058#	Analyse new equipment requirements	*	*						*
+CT059#	Catalogue new equipment for stock number assignment	*	*						*
+CT060#	Develop equipment fielding/distribution plans	*	*						*
+CT061#	Establish equipment configuration	*	*						*
+CT062#	Establish Permissive Repair Schedules (PRS)	*	*						*
+CT063#	Establish repair procedures for new equipment	*	*						*
+CT064#	Implement repair and overhaul contracts	*	*						*
+CT065#	Monitor repair and overhaul contracts	*	*						*
+CT066#	Negotiate statement of work/requirements	*	*						*
+CT067#	Prepare Statements of Work (SOW)/Statements of Requirements (SOR)	*	*						*
+CT068#	Procure replacement equipment	*	*						*
+CT069#	Review deliverable interim/long-lead-item spares listings	*	*						*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT008#	Account for parts	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
DT013#	Purge parts from stock holdings	*	*						*
DT014#	Recommend changes to technical drawings/blueprints	*	*						*
DT015#	Scale parts	*	*						*
DT016#	Direct technical field trials	*	*						*
+DT017#	Advise draughtsmen/engineers	*	*						*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET012	Perform investigative equipment teardown/disassembly	*	*						*
	DUTY AREA F - MECHANICAL FITTING								
	Not Applicable								
	DUTY AREA G - ARMAMENT								
	Not Applicable								
	DUTY AREA H - ELECTRICAL								
	Not Applicable								
	DUTY AREA I - ELECTRONICS								
	Not Applicable								
	DUTY AREA J - OPTRONICS								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	Not Applicable								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
CS001	Technical writing		2	2							2
S011	Precision measuring		1	1							1
S012	Using test equipment		2	2							2
S013	Driving		2	2							2
S014	Troubleshooting		2	2							2
S015	Freehand sketching		2	2							2
S016	Keyboarding		1	1							1
S017	Interpreting technical/mechanical drawings and schematics		2	2							2
S018	Operating Information Technology (IT) systems		2	2							2
S019	Managing materiel resources		2	2							2
S020	Precision layout		1	1							1
+ S021	Financial forecasting		2	2							2
S022	Evaluating maintenance management information		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
BK001	Civilian employee administration		2	2						2
CK001	Technical library procedures		2	2						2
CK002	Technical writing techniques		2	2						2
CK003	Attrition Warning Reports (AWR)		2	2						2
+CK004	On Site Establishment Evaluation Reviews (OSEER)		2	2						2
HK001	Field power distribution systems		2							2
K017	Hoist/winch system operating procedures		1	1						1
K018	Lifting and jacking devices		1	1						1
K019	Shop rules and regulations		2	2						2
K020	Security regulations and orders		2	2						2
K021	Laser safety regulations		2	2						2
K022	Industrial safety practices		2	2						2
K023	Hazardous waste disposal procedures		2	2						2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2						2
K025	Radiation hazards		2	2						2
K026	Electrical/electronic safety precautions and hazards		2	2						2
K027	Use of Personal Protective Equipment (PPE)		2	2						2
K028	Maintenance control records system and procedures		2	2						2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2						2
K030	Workshop capabilities and functions		2	2						2
K031	Land Maintenance Systems (LMS)		2	2						2
K032	Effects of weather or extreme conditions on equipment		2	2						2
K033	Metric conversion		1	1						1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K034	Electronic theory			2							2
K035	Mechanical measuring devices construction/theory of operation		1	1							1
K036	Calibration of mechanical measuring devices		1	1							1
K037	Depreservation and preservation		2	2							2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1							1
K039	Drill bits characteristics/identification/specification system		1	1							1
K040	Characteristics and uses of common hand tools		1	1							1
K041	Characteristics and uses of hand-held power tools		1	1							1
K042	Uses and applications of mechanical locking devices		1	1							1
K043	Mechanical alignment techniques		2	2							2
K044	Mechanical adjustment techniques		2	2							2
K045	Calculation and selection of tap drill size		1	1							1
K046	Fastener identification		1	1							1
K047	Electrical/electronic schematics		2	2							2
K048	Mechanical drawings		2	2							2
K049	Sketching techniques		2	2							2
K050	Electrical test equipment		2	2							2
K051	Electronic test equipment			2							2
K052	Automated Built-In Tests (BIT)		2	2							2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1							1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2							2
K056	Electric motor theory		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K057	Types and applications of electrical wire/cable		1	1							1
K058	Electrical wire/cable identification coding		1	1							1
K059	Types of wire/cable splices and their applications		1	1							1
K060	Turret/cab electrical system interfaces										1
K061	Converters/inverters theory		1	1							1
K062	Electrical circuit troubleshooting and analysis procedures		1	1							1
K063	Battery charger theory			1							1
K064	Lithium/Ni-Cad battery theory		1	1							1
K065	Solid state devices		1	2							2
K066	Electro-Static Discharge (ESD)		2	2							2
K067	Digital logic theory			1							1
K068	Digital computer interface principles and techniques			2							2
K069	Basic computer theory			1							1
K070	Computer operating systems		1	1							1
K071	Printed circuit board repair techniques			2							2
K072	Video integrated gunnery system simulators			2							2
K073	Zeroing/boresighting procedures										2
K074	Basic principles and theories of light		1	1							1
K075	Operation of day/night viewing equipment		1								1
K076	Operation of thermal imaging systems			1							1
K077	Operation of laser systems			1							1
K078	Classifications/applications of lasers			2							2
K079	Use and application of lenses/filters		1	1							1
K080	Gyroscope theory			2							2
K081	Operation of projection systems			1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K082	Integrated fire control systems										2
K083	National electrical code		2								2
K084	Condemnation procedures		2	2							2
K085	CF scales of issue		2	2							2
K086	Technical Failure Reports (TFR)		2	2							2
K087	Work scheduling procedures		2	2							2
K088	Planned maintenance scheduling and types of inspections		2	2							2
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1							1
K090	Battlefield damage repair technique		1	1							1
K091	Defensive positions of maintenance organizations		2	2							2
K092	Brake systems construction/theory of operation		2	2							2
K093	Hand signals for casualty/load manoeuvering		2	2							2
K094	Corrosion prevention and control techniques		2	2							2
K095	Non-destructive testing		1	1							1
K096	Types of drawing		2	2							2
K097	Operation of anti-armour weapon systems										2
K098	Financial accounting procedures		2	2							2
K099	Quality Assurance/Quality Control (QA/QC) procedures		2	2							2
K100	Warranty procedures		2	2							2
K101	Equipment Logistic Directives (ELD)		2	2							2
K102	Equipment Support Lists (ESL)		2	2							2
K103	Canadian Field Force equipment table (CFFET)		2	2							2
K104	Contract staffing requirements and procedures		2	2							2
K105	Canadian Forces Organization Orders (CFOO)		1	1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K106	Life Cycle Material Management (LCMM) procedures		2	2						2
+ K107	Integrated Logistics Support (ILS)		2	2						2
K108	Accident/incident investigation procedures		1	1						1
+ K109	Supply item management procedures		2	2						2
K110	Measurement of workshop performance		2	2						2

Electronic Optronic Technician (Land) Trade (2008)

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EO TECH (L) MOSID 00327

CANADIAN FORCES MANUAL OF MILITARY OCCUPATIONAL STRUCTURE

VOLUME 2 PART 2

OCCUPATIONAL SPECIFICATION

for the

ELECTRONIC - OPTRONIC TECHNICIAN LAND OCCUPATION

MOSID 00327

Date Specification Approved: 1 Jan 99

Date Specification Amended: 10 Apr 07

FOREWORD

1. The primary purpose of the integrated ELECTRONIC - OPTRONIC Technician (L)(EO TECH (L)) Occupational Specification (OS) is to describe the job performance requirements for the Special Force(Mobilization) and Regular Force (Reg F).

2. Section 1 describes the common occupational requirements and Section 2 contains the normal career development information in terms of employment opportunities and training requirements. The duties and tasks that must be performed by EO TECH (L) and some of the required supporting skills and knowledge are detailed in Section 3.

3. The information in this specification does not limit the potential employment, promotion, or training that EO TECH (L) may receive. Specific policies affecting those subjects are contained in other official publications.

4. This specification is designed to be used:

   a. as a basis for identifying and developing performance oriented training requirements;

   b. as a guide for EO TECH (L) resource management to ensure that the right person is placed in the right job at the right time;

   c. as a source of career information for potential recruits and serving EO TECH (L); and

   d. as a basis for coding, recording and reporting occupational qualifications in the appropriate ADM(HR-Mil) Management Information Systems.

5. Comments or suggested amendments to this document should be submitted in the format of red ink annotations on a copy of the applicable page(s) and processed through normal channels to NDHQ, Attention: Director Personnel Generation Requirements (DGPR).

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SECTION 1 - GENERAL

INTRODUCTION

1. This specification describes the Canadian Forces (CF) occupation of EO TECH (L) for the following components:

a. **Special Force(Mobilization) - MOC M434,**

b. **P Res - Not Applicable**, and

c. **Reg F - MOSID 0327.**

SCOPE

2. The functions of the EO TECH (L) for each component are as follows:

a. **Special Force(Mobilization).** The Mobilization Military Occupation (MOBMOC) structure was developed in large part to minimize training so that the time from enrolment to effective employment in the Special Force(Mobilization) will be as short as possible. It also serves as the basis for developing the Reg F occupational structure and for identifying individual job performance requirements in those components. The EO TECH (L) MOBMOC structure has been sub-divided into the following occupations which represent specific military jobs that must be performed during a period of Mobilization:

(1) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - POWER GENERATION AND DISTRIBUTION (EO TECH (L) - PG & D)**

EO TECH (L) - PG & D are responsible for corrective and preventive maintenance on field deployable power generators and wire distribution kits used by all Brigade units. EO TECH (L) - PG & D will perform first and second line setups and repairs.

(2) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - ELECTRONIC (EO TECH (L) -ELEC)**

EO TECH (L) - ELEC are responsible for second line repair of equipments including, but not limited to, power supplies, mine detection equipment, lasers, thermal sights, electric motors, battery chargers, field photocopiers, wire cables and harnesses.

(3) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - OPTICAL AND INSTRUMENT (EO TECH (L) - OPT & INST)**

EO TECH (L) - OPT & INST are responsible for second line repair of equipments including, but not limited to, integrated electro-optic sights, infra-red sights, direction finding equipment and mechanical devices such as tripods and levels.

(4) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - ARMOURED (EO TECH (L) - ARMD)**

EO TECH (L) - ARMD are responsible for corrective and preventive maintenance on the Main Battle Tank (MBT) and associated equipment including, but is not limited to, thermal and infrared

observation equipment, integrated fire control sighting and computer devices, optical instruments, wiring harnesses, cabling and interconnecting devices. EO TECH (L) - ARMD will perform first line maintenance on equipment held by Armoured units and second line maintenance on AFV turrets or its components.

(5) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - FIELD ARTILLERY (EO TECH (L) - FD ARTY)**

EO TECH (L) - FD ARTY are responsible for corrective and preventive maintenance on field artillery guns and associated equipment including, but is not limited to, thermal and infrared observation equipment, integrated fire control sighting and computer systems, optical and survey instruments, wiring harnesses, cabling and interconnecting devices. EO TECH (L) - FD ARTY, will perform first line maintenance on equipment held by ARTY units.

(6) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - AIR DEFENCE (EO TECH (L) - AD)**

EO TECH (L) - AD are responsible for corrective and preventive maintenance on Low Level Air Defence (LLAD) artillery equipment including, but is not limited to, thermal and infrared observation equipment, integrated fire control sighting and computer systems, optical instruments, wiring harnesses, cabling and interconnecting devices. EO TECH (L) - AD will perform first and second line maintenance on equipment held by AD units and second line maintenance on LLAD primary mission equipment.

(7) **ELECTRONIC - OPTRONIC TECHNICIAN LAND - INFANTRY (EO TECH (L) - INF)**

EO TECH (L) - INF are responsible for corrective and preventive maintenance on Infantry equipment including, but not limited to, Infantry turret systems, thermal and infrared observation equipment, anti-tank missile systems, optical instruments, wiring harnesses, cabling and interconnecting devices. EO TECH (L) - INF will perform first line maintenance on equipment held by Infantry units and second line maintenance on AFV turrets and components.

b. **P Res.** There are no P Res EO TECH (L) occupation.

c. **Reg F.** The functions of the Reg F EO TECH (L) occupation are to repair and maintain all types of Land Force fire control systems. These include, but are not limited to, anti-tank and surface to air missile systems, direct and indirect optical sighting/ranging equipment, lasers, fire control computers and sights, power generation and distribution systems, field photocopiers, electric turret drive systems, infrared sights, electric motors and their controlling devices, electronic simulators and electro-optical devices. EO TECH (L) also perform system restoral, preventive and corrective maintenance, equipment inspections, modifications, installations and acceptance checks, as well as the repair and overhaul of selected systems.

GENERAL SPECIFICATIONS

3. The NCM General Specification (NCMGS) reflects the tasks, skills and knowledge which are common to all NCM and are in addition to specific military occupational performance requirements as outlined in this specification. The Environmental sub-sections specify the tasks, skills and knowledge required by NCM which are unique to the environments in which they are or can be expected to serve.

4. As serving CF members, EO TECH (L) are required to maintain the performance requirements detailed in the NCMGS for their component and environment.

OCCUPATIONAL SPECIALTY SPECIFICATIONS

5. Occupational Specialty Specifications (OSS) describe those additional duties and tasks which are necessary for employment in a specific position. OSS may be unique (applicable to one occupation) or common (applicable to more than one occupation). EO TECH (L) OSS are contained in A-PD-055-003/PQ-001.

JOB REQUIREMENTS

6. The following job requirement information describes the Journeyman level of performance. For EO TECH (L), these requirements are in addition to the performance requirements detailed in the NCMGS.

a. **Comprehension and Judgement.** EO TECH (L) must be familiar with the basics of the CF Land Maintenance System (LMS). They must be able to analyze and interpret test equipment results, understand complex electronic equipment and integrated fire control systems in order to perform system restoral, corrective and preventive maintenance. EO TECH (L) must have a detailed comprehension of troubleshooting techniques to select the proper tests which will quickly isolate a fault on a system or piece of electronic/electro-optic equipment. Once a fault is isolated, EO TECH (L) must select the fastest and most cost-effective method to correct the fault and/or restore the system.

b. **Occupational Training and Experience.** The EO TECH (L) Apprentice level qualification consists of Performance Oriented Electronic Training (POET), a formal QL3 course, an intensive on-job-training (OJT) program, followed by QL5A course which will ensure that a uniform and acceptable standard is met by all EO TECH (L). In the Journeyman, Supervisor and Manager Developmental Periods (DP), EO TECH (L) are required to upgrade their knowledge through technical specialty training dealing with specific systems and technology. EO TECH (L) require knowledge of electrics, electronics, optics, test equipment, troubleshooting, power generation equipment, lasers, thermal imaging sights, integrated fire control systems, infrared sighting devices and optical observation/ranging systems. EO TECH (L) will qualify in the use and operation of all tools and equipment pertaining to their occupation.

c. **Responsibility.** Specific responsibilities include, but are not limited to the following:

(1) **Resources.** EO TECH (L) utilize electronic/optronic test

equipment, mechanical test equipment, optical test equipment, Automated Test Equipment (ATE), Built-In-Test (BIT), display consoles, computer systems, technical publications, hand/power tools and vehicle mounted workshops to accomplish their duties. They are responsible for maintaining and repairing tools and equipment required to perform their duties.

(2) **Services.** EO TECH (L) provide maintenance services and advice as well as information to the Land Ordnance Maintenance Management Information System (LOMMIS) of LMS for the work performed on vehicles and equipment. Specifically, EO TECH (L) are responsible for maintaining the electrical, electronic, optical and optronic equipment in support of LMS. EO TECH (L) must adhere to particular safety regulations pertaining to specialist operations.

(3) **Consequence of Error.** Errors, neglect or poor judgement in maintenance procedures may result in death or injury to personnel. Errors may also result in destruction or damage to the equipment or reduction of operational/combat efficiency. Improper diagnosis can result in excessive repair cost, prolonged loss of equipment or personnel and loss of confidence in the equipment by the operator.

WORKING CONDITIONS

7. EO TECH (L) will experience a variety of working conditions as outlined below:

a. **Environmental.** The working environment can be in field operations, mobile maintenance vehicles, improvised shelters and/or base workshops. There is sometimes a requirement to use electronic test equipment and displays, technical manuals, written directives and checklists in low ambient light levels. During operational deployments, personnel are required to work in limited facilities, must access cramped areas to service equipment and can be subjected to extreme weather conditions. EO TECH (L) are sometimes required to perform shift work and may work extended hours to restore operational systems or equipment.

b. **Hazards.** Personnel are exposed to the hazards of shop noise, electrical shock, toxic fumes from soldering/cleaning solvents, Chemical Agents Resistive Coating (CARC) and the dangers associated with using power tools, lasers and radiation. Physical injury may result from falling or being struck while working on or in various equipment installations such as those found in armoured personnel carriers, MBT and self-propelled artillery vehicles. Duties may include working in confined spaces.

c. **Stress.** EO TECH (L) are sometimes required to work for extended periods, work extended shifts, and stand for long periods under normal or adverse weather conditions. Moderate to increased stress and mental pressure may be experienced by EO TECH (L) during heavy workload periods in field operations and tactical deployments.

d. **Physical Effort.** The physical effort required to perform in this occupation ranges from moderate to high. The majority of the work is normally carried out in mobile workshops, static workshops or improvised shelters. During equipment installation or maintenance,

personnel are occasionally required to perform tasks that include lifting and moving heavy equipment and working in cramped and uncomfortable locations.

SPECIAL REQUIREMENTS

8. This information was verified as correct at the time of publication but may have been subsequently amended. Any questions or suggested changes should be addressed to the OPI with DPCA and D Pers Plan as information addressees.

a. **Medical Standards.** CF Medical standards are detailed in A-MD-154-000/FP-000. The minimum Medical standard for assignment to the EO TECH (L) occupation is:

$$\frac{V}{4} \quad \frac{CV}{2} \quad \frac{H}{3} \quad \frac{G}{2} \quad \frac{O}{2} \quad \frac{A}{5}$$

OPI - D Med Svcs

NOTE: The Medical standard shown is for initial assignment to the EO TECH (L) occupation. Experienced personnel who have their medical category lowered will be considered for retention, occupational transfer or released by a Career Review Board (Medical) IAW CFAO 34-26.

b. **Language.** The language requirements for EO TECH (L) are:

(1) Special Force(Mobilization). The requirement and policy for second language capability are to be determined (3290-1 (CPD) 14 Jun 88);

(2) P Res. Not Applicable; and

(3) Reg F. The second language objective for EO TECH (L) is to ensure that there are sufficient bilingual personnel to man each bilingual position designated for this occupation. Based on analysis of the CF bilingualism requirements and the individual's aptitude, EO TECH (L) selected for second language training are to attain the language proficiency level of the bilingual positions so identified for their occupation.

OPI - DRET

c. **Security Clearance.** The minimum required security clearance levels are:

(1) Special Force(Mobilization) - Level 1,

(2) P Res - Not Applicable, and

(3) Reg F - Level 1.

OPI - DPM Secur

d. **Education.** The academic standards for enrolment in the CF are described in CFAO 6-1 (Reg F).

OPI - DPCA

RELATED CIVILIAN OCCUPATIONS

9. The civilian occupations listed below are related to the MOBMOC indicated and are derived from the National Occupational Classification (NOC) catalogue.

CIVILIAN TITLE	CODE NUMBER	MOBMOC
Electrical and Electronics Engineering Technologists and Technicians	2241	B,C,E,F,G,H
Electronic Service Technicians (Household and Business Equipment)	2242	B,C,E,F,G,H
Contractors and Supervisors (Electrical Trades and Telecommunications Occupations)	7212	B,C
Electricians	7241	B
Industrial Electricians	7242	B
Power System Electricians	7243	B
Electrical Power Line and Cable Workers	7244	B
Electrical Appliance Servicers and Repairers	7332	C
Electrical Mechanics	7333	C
Jewellers, Watch Repairers and Related Occupations	7344	D

SECTION 2
OCCUPATIONAL DEVELOPMENT

INTRODUCTION

1. This section is divided into three sub-sections, by components, as follows:

a. Sub-Section A - Special Force(Mobilization),

b. Sub-Section B - P Res, and

c. Sub-Section C - Reg F.

2. Within each sub-section, EO TECH (L) occupational development for each DP is described, under the headings of Progression, Career Pattern, and Employment and Training. A DP is defined as a time-frame in a EO TECH (L) career during which individuals are trained, employed and/or given the opportunity to develop occupational and/or professional skills and knowledge. EO TECH (L) occupational development is described for the Apprentice, Journeyman, Supervisor and Manager DPs.

3. During the Apprentice DP, personnel undergo initial occupational training and employment to become qualified EO TECH (L). At this level the scope of employment is limited, work priorities are decided by Supervisors and work is closely monitored. To become fully qualified EO TECH (L) must progress to the Journeyman DP.

4. In the Journeyman DP EO TECH (L) can perform tasks independently or under supervision as well as explain or demonstrate to others how to perform tasks. A senior Journeyman may be called upon to exercise supervisory and leadership skills.

5. EO TECH (L) in the Supervisory DP are responsible for exercising leadership, in addition to assigning, directing, monitoring and evaluating the tasks and duties of subordinates. Notwithstanding primary responsibilities they may also perform occupational tasks.

6. In the Manager DP, EO TECH (L) are responsible, through subordinate supervisors, for planning, organizing, directing and controlling various group activities to achieve assigned goals. A Manager is also responsible for the effective leadership and well-being of subordinates.

EMPLOYMENT AND TRAINING

7. Tables within each sub-section describe the specific core occupational employment and training expected of EO TECH (L), by DP, under the following headings:

a. **Employment.** The potential employment opportunities for EO TECH (L) are:

(1) **Occupational -** employment related directly to occupational training;

(2) **Staff -** employment in National, Command or Formation HQ, or in selected cases Base/Wing HQ; and

(3) **Training -** employment in CF or Command schools and Unit

training positions.

b. **Training**. The training EO TECH (L) might receive during a DP is:

(1) **Mandatory -** training which must be completed during the DP (occupational or professional);

(2) **Preferred -** training which is beneficial to most EO TECH (L) for the types of employment reflected in that DP or the next; and

(3) **Could Receive -** training which is beneficial to some EO TECH (L) for more specific employment requirements.

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

PROGRESSION

1. **Career Field.** The Special Force(Mobilization) EO TECH (L) occupations are assigned to the Land Maintenance Career Field.

2. **Developmental Periods.** During Mobilization, Reg F EO TECH (L) Supervisor/Manager assigned to a given MOBMOC will continue to perform these functions. Depending on previous military and/or occupational experience, members could be employed within any one of the DPs at the appropriate rank level. EO TECH (L) MOBMOC application is as shown at the table below:

MOBMOC	APPRENTICE	JOURNEYMAN	SUPERVISOR	MANAGER
B	*	**	**	**
C	*	**	**	**
D	*	**	MOBMOC C	MOBMOC C
E	*	**	MOBMOC C	MOBMOC C
F	*	**	MOBMOC C	MOBMOC C
G	*	**	MOBMOC C	MOBMOC C
H	*	**	MOBMOC C	MOBMOC C

Table Legend

* - indicates that for entry into the DP a civilian requires occupational training

** - indicates that for entry into the DP a civilian must have related occupational experience

Reg F, or MOBMOC - indicates that under special circumstances supervision and/or management is performed by the annotated component

Blank - indicates that the DP does not apply to the MOBMOC

3. The ranks associated with each DP detailed in this specification are:

Developmental Period	**Rank**
Apprentice	Pte
Journeyman	Cpl, MCpl
Supervisor	Sgt, WO
Manager	MWO, CWO

4. **Occupational Qualification.** The following outlines the methods of qualification for EO TECH (L) which are based on the requirements detailed in Section 3 of this specification:

Developmental Period	Method of Qualification
Apprentice	Formal Course, Direct Entry or OJT
Journeyman	Formal Course, Direct Entry or OJT
Supervisor	Formal Course, Direct Entry or OJT
Manager	Formal Course, Direct Entry or OJT

5. **Rank Progression.** Rank progression for Reg F and Reserve Force (Res F) members assigned to the Special Force(Mobilization) will be as per existing regulations in effect for the members' component.

CAREER PATTERN

6. The Special Force(Mobilization) draws its NCM from the Res F, the Reg F and the civil sector. Career patterns for EO TECH (L) Res F and Reg F members will be as per existing regulations. However, career patterns do not normally apply to civilians enrolled because of the following principles which guide the development and employment of EO TECH (L) in the Special Force(Mobilization):

a. personnel will normally be enrolled, trained and employed in one Mobilization occupation for the duration of the emergency;

b. training will be at the minimum acceptable standard and conducted within the shortest possible time; and

c. civilians will be permitted lateral entry at various ranks depending on previous experience, training and abilities.

7. Apprentice EO TECH (L) attain the Operationally Functional Point upon completion of basic Mobilization recruit and occupational training.

EMPLOYMENT AND TRAINING

8. In the Special Force(Mobilization), EO TECH (L) will normally be employed in one or more jobs within a MOBMOC. Occupational career information is shown at Table 1 to Table 4 of this Sub-Section.

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 1 - Apprentice Developmental Period

Rank: Private (Pte)

Objective: To train new members and to provide for a period of skill enhancement.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. EO TECH (L) - ARMD		a. Basic Occupational
	b. EO TECH (L) - ARTY		b. OJT
	c. EO TECH (L) - AD		c. QL5A
	d. EO TECH (L) - INF	2.	**Preferred**
	e. EO TECH (L) - PG & D		Nil
	f. EO TECH (L) - OPT	3.	**Could Receive**
	g. EO TECH (L) - ELEC		Specialty Course
2.	**Staff**		
	Nil		
3.	**Training**		
	Nil		

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 2 - Journeyman Developmental Period

Rank: Corporal (Cpl), Master Corporal (MCpl)

Objective: To develop functional and environmental expertise and to provide the opportunity to develop skills as a supervisor.

Employment

1. **Occupational**
   - a. EO TECH (L) - ARMD
   - b. EO TECH (L) - ARTY
   - c. EO TECH (L) - AD
   - d. EO TECH (L) - INF
   - e. EO TECH (L) - PG & D
   - f. EO TECH (L) - OPT
   - g. EO TECH (L) - ELEC
   - h. Sect 2IC
   - i. Parts Coord
2. **Staff**

   Nil
3. **Training**

   Instructor

Training

1. **Mandatory**
   - a. LFC JNCO
   - b. QL6A
2. **Preferred**

   Nil
3. **Could Receive**

   Specialty Course

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 3 - Supervisor Developmental Period

Rank: Sergeant (Sgt), Warrant Officer (WO)

Objective: To provide the opportunity to enhance and apply occupational and leadership skills and knowledge.

Employment

1. **Occupational**
   - a. Planner
   - b. Control Office Supr
   - c. Sect Comd
   - d. Engineering Technical Quarter Master Sergeant (ETQMS)
   - e. Local Contracts
2. **Staff**
   - a. NDHQ
   - b. FMN HQ
3. **Training**
   - a. Instructor
   - b. Standards

Training

1. **Mandatory**
   - a. SLC
   - c. QL7
2. **Preferred**

   Nil
3. **Could Receive**

   Specialty Course

SECTION 2
SUB-SECTION A - SPECIAL FORCE(MOBILIZATION)
OCCUPATIONAL DEVELOPMENT

Table 4 - Manager Developmental Period

Rank: Master Warrant Officer (MWO), Chief Warrant Officer (CWO)

Objective: To provide the opportunity to apply individual expertise in management and staff appointments.

Employment	**Training**
1. **Occupational** a. Control Offr b. Engineering Technical Sergeant Major (ETSM) c. ETQMS d. Pl 2IC	1. **Mandatory** Nil 2. **Preferred** Nil 3. **Could Receive** Specialty Course
2. **Staff** a. NDHQ b. FMN HQ c. Base/Wing HQ	
3. **Training** a. Instructor b. Standards	

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 5 - Apprentice Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 6 - Journeyman Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 7 - Supervisor Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION B - PRIMARY RESERVE
OCCUPATIONAL DEVELOPMENT

Table 8 - Manager Developmental Period

Rank:

Objective:

Not Applicable

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

PROGRESSION

1. **Career Field.** The Reg F EO TECH (L) occupation is assigned to the Land Maintenance Career Field. The other Reg F occupations in the Land Maintenance Career Field are:

a. MOC 411 - Vehicle Technician (VEH TECH),

b. MOC 421 - Weapons Technician (Land) (W TECH L),

c. MOC 441 - Materials Technician (MAT TECH).

2. **Developmental Periods.** Reg F EO TECH (L) progression is from Apprentice through to Manager inclusive. The ranks associated with each DP detailed in this specification are:

Developmental Period	**Rank**
Apprentice	Pte
Journeyman	Cpl, MCpl
Supervisor	Sgt, WO
Manager	MWO, CWO

3. **Occupational Qualification.** The methods of qualification for Reg F EO TECH (L) are determined by the MA and are based on the requirements detailed in Section 3. The current methods of qualification for each DP detailed in this specification are:

Developmental Period	**Method of Qualification**
Apprentice	Formal Occupation Course
Journeyman	Formal Occupation Course
Supervisor	Formal Occupation Course
Manager	Formal Occupation Course

4. **Rank Progression.** The requirements for progression in rank for this occupation are detailed in CFAO 49-4 and the NCMGS.

CAREER PATTERN

5. The career pattern of Reg F EO TECH (L) comprises four DPs. In general, in the Apprentice DP, Reg F EO TECH (L) will complete language training (if required) and the Basic Occupational Qualification Course (BOQC). Apprentice EO TECH (L) will complete an extensive OJT program followed by QL5A training. Upon promotion to Cpl, Reg F EO TECH (L) will advance to the Journeyman DP.

6. In the Journeyman DP, selected Reg F EO TECH (L) will receive LFC JNCO

and QL6A training. Reg F EO TECH (L) may also receive specialty training while in this DP. Upon promotion to Sgt, Reg F EO TECH (L) will advance to the Supervisor DP.

7. In the Supervisor DP, selected Reg F EO TECH (L) will receive SLC and QL7 training. While in this DP, selected Reg F EO TECH (L) may also receive specialty training. Upon promotion to MWO, Reg F EO TECH (L) will advance to the Manager DP.

8. In the Manager DP, Reg F EO TECH (L) are fully qualified to manage all occupationally related activities. Reg F EO TECH (L) may also receive specialty training while in this DP.

9. Apprentice Reg F EO TECH (L) attain the Operationally Functional Point upon successful completion of BOQC.

EMPLOYMENT AND TRAINING

10. Reg F EO TECH (L) could be employed in a variety of jobs depending on rank, military and/or occupational experience. Occupational career information is shown at Table 9 to Table 12 of this Sub-Section.

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 9 - Apprentice Developmental Period

Rank: Pte

Objective: To train new members and to provide for a period of skill enhancement.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. EO TECH (L) - ARMD		a. BOQC
	b. EO TECH (L) - ARTY		b. OJT
	c. EO TECH (L) - AD		c. QL5A (QL5A-Jr)(*)
	d. EO TECH (L) - INF	2.	**Preferred**
	e. EO TECH (L) - PG & D		Second Language
2.	**Staff**	3.	**Could Receive**
	Nil		Specialty Course
3.	**Training**		
	Nil		

(*) 'Jr' refers to those individuals who have not completed the Occupational training and rank requirements. These individuals are not entitled to receive Spec Pay. (CANFORGEN 111/04 ADM(HR-MIL) 059 061843Z AUG 04)

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 10 - Journeyman Developmental Period

Rank: Cpl, MCpl

Objective: To develop functional and environmental expertise and to provide the opportunity to develop skills as a supervisor.

Employment

1. **Occupational**
   - a. EO TECH (L) - ARMD
   - b. EO TECH (L) - ARTY
   - c. EO TECH (L) - AD
   - d. EO TECH (L) - INF
   - e. EO TECH (L) - PG & D
   - f. EO TECH (L) - OPT
   - g. EO TECH (L) - ELEC
   - h. Sect 2IC
   - i. Parts Coord
2. **Staff**

   Nil
3. **Training**

   Instructor

Training

1. **Mandatory**
   - a. LFC JNCO
   - b. QL6A
2. **Preferred**

   Nil
3. **Could Receive**

   Specialty Course

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 11 - Supervisor Developmental Period

Rank: Sgt, WO

Objective: To provide the opportunity to enhance and apply occupational and leadership skills and knowledge.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. Planner		a. SLC
	b. Control Office Supr		b. QL7
	c. Sect Comd	2.	**Preferred**
	d. ETQMS		Nil
	e. Local Contracts	3.	**Could Receive**
2.	**Staff**		Specialty Course
	a. NDHQ		
	b. FMN HQ		
	c. Base/Wing HQ		
3.	**Training**		
	a. Instructor		
	b. Standards		

SECTION 2
SUB-SECTION C - REGULAR FORCE
OCCUPATIONAL DEVELOPMENT

Table 12 - Manager Developmental Period

Rank: MWO, CWO

Objective: To provide the opportunity to apply individual expertise in management and staff appointments.

	Employment		**Training**
1.	**Occupational**	1.	**Mandatory**
	a. Control Offr		Nil
	b. ETSM	2.	**Preferred**
	c. ETQMS		Nil
	d. Pl 2IC	3.	**Could Receive**
2.	**Staff**		Specialty Course
	a. NDHQ		
	b. FMN HQ		
	c. Base/Wing QH		
3.	**Training**		
	a. Instructor		
	b. Standards		

SECTION 3
OCCUPATIONAL PERFORMANCE REQUIREMENTS

INTRODUCTION

1. The EO TECH (L) occupation has four DPs identified as Apprentice, Journeyman, Supervisor and Manager. For each DP, the tables in this section contain the appropriate job performance requirements for each CF component.

2. The Special Force(Mobilization) occupational structure and job performance requirements serve as the basis for developing the Reg F structures. This method provides a means of identifying the tasks, skills and knowledge required by EO TECH (L) to accomplish assigned duties both in wartime and peacetime operations.

SERIAL NUMBERS

3. The Journeyman level of performance is considered to be the mainstay by which all independent action by NCM in all CF occupations is determined. Consequently, the Task, Skill and Knowledge statements listed in the Journeyman DP form the basic foundation for identifying the occupational job requirements for EO TECH (L). They are serially numbered consecutively, starting at (Duty Area Identifier) T001, S001 and K001 respectively. If a Task statement applies at the Apprentice, Supervisor or Manager DPs, that statement appears with the same serial number as the Journeyman Task statement. If it does not apply, the serial number/statement is not used in that DP. The pound symbol ("#") after the serial number indicates a requirement that is common to all 400 series occupations.

4. New Task statements detailed in any of the Apprentice, Supervisor or Manager DPs are added to the bottom of the statement listings that have been carried over from the Journeyman DP and are serially numbered using the next available unique number. New Task statements in any of these DPs are further identified by a plus (+) symbol prefixed to the assigned number.

5. New Skill and Knowledge statements applicable to the Supervisor and Manager DPs, OR an increase in the required level of expertise in ANY DP from the one previous, are also identified with a plus (+) symbol prefixed to the appropriate serial number.

DUTY AREA AND TASK STATEMENTS

6. A Duty Area typically represents one of the major activities involved in the work performed by a large segment of the occupation. A task is a discrete segment of work which constitutes a logical and necessary part of a duty, and has a definite beginning and end.

7. For each identified Duty Area, all task statements related to that specific Duty Area are listed. Special Force(Mobilization) and Reg F requirements are identified beside them in separate columns. The Special Force(Mobilization) column is sub-divided into the required MOBMOCs. To indicate which component performs a stated task, an asterisk is placed in each appropriate column directly across from the task statement. If the task statement does not apply to a particular component, that column is left blank.

SKILL AND KNOWLEDGE STATEMENTS

8. A skill is a practised mental and/or physical activity which requires a measured degree of proficiency. A knowledge is the minimum theoretical and/or practical understanding of a subject required to perform duties and/or tasks.

9. Skill and knowledge statements are listed separately after the last Duty Area. Those skill or knowledge statements that are associated with a specific Duty Area have the Duty Area identifier included in their serial number. Those skill or knowledge statements which are associated with more than one Duty Area do not have the Duty Area identifier in their serial number.

10. Skill and knowledge statements for the Special Force(Mobilization) and Reg F requirements are displayed in separate columns. To indicate that either a particular MOBMOC or Reg F occupation requires a specific skill or knowledge, a numerical code (from 1 to 3) is placed in each appropriate column. As with task statements, if the skill or knowledge is not required by a particular component the appropriate column is left blank.

11. The numerical coding reflects one of a possible three levels of skill or knowledge which are strictly relative in nature, with "1" implying the lowest level. They are intended only as broad parameters of depth/scope for each DP, which Standards and Training Plan Writing Boards may utilize to assist in determining precise standards through further analysis. These listings are by no means the only ones required and training staff can add to the skills and knowledge listings when preparing training documentation.

12. The levels of skill and knowledge are defined as:

SKILLS			KNOWLEDGE	
LEVEL	DEFINITION	VALUE	LEVEL	DEFINITION
Limited	The proficiency level at which duties and tasks are performed under supervision and from which further progress can be made through practice and experience	1	Basic	A general awareness of theory and/or facts, which can be acquired quickly
Skilled	The proficiency level necessary to perform duties/tasks safely and independently	2	Detailed	The understanding of theory and/or fact which requires substantial training and/or experience
Highly Skilled	The proficiency level which is acquired only by considerable training and practical experience	3	Comprehensive	The mastery of theory and/or facts usually requiring extensive training and/or experience to learn

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*	*	*	*	*	*	*
AT002#	Decontaminate equipment	*	*	*	*	*	*	*	*
AT003#	Destroy equipment to deny use	*	*	*	*	*	*	*	*
AT004#	Execute convoy functions	*	*	*	*	*	*	*	*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*	*	*	*	*	*	*
	DUTY AREA B - MANAGEMENT								
	Not Applicable								
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*	*	*	*	*	*	*
CT002#	Perform periodic inspections on equipment	*	*	*	*	*	*	*	*
CT003#	Complete time accounting forms	*	*	*	*	*	*	*	*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*	*	*	*	*	*	*
CT006#	Research part numbers/information from relevant media	*	*	*	*	*	*	*	*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*	*	*	*	*	*	*
DT002#	Issue/receive equipment, stores and spare parts	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
DT003#	Maintain tool cribs	*	*	*	*	*	*	*	*
DT004#	Operate Light Armoured Vehicles (LAV)				*	*	*	*	*
DT005#	Operate materiel handling equipment	*	*	*	*	*	*	*	*
DT006#	Operate tracked vehicles				*	*	*	*	*
DT007#	Operate wheeled vehicles	*	*	*	*	*	*	*	*
DT008#	Account for parts	*	*	*	*	*	*	*	*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET001	Adjust air conditioning electrical/electronic components		*						*
ET002	Clean work areas	*	*	*	*	*	*	*	*
ET003	Diagnose faults in air conditioning electrical/electronic components		*						*
ET004	Maintain basic workshop tools and equipment	*	*	*	*	*	*	*	*
ET005	Maintain personal tools/tool kits	*	*	*	*	*	*	*	*
ET006	Repair air conditioning electrical/electronic components		*						*
ET007	Secure equipment	*	*	*	*	*	*	*	*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*	*	*	*	*	*	*
FT002	Repair damaged threads	*	*	*	*	*	*	*	*
FT003	Punch holes	*	*	*	*	*	*	*	*
FT004	Ream holes	*	*	*	*	*	*	*	*
FT005	Tap holes	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
FT006	Drill holes	*	*	*	*	*	*	*	*
FT007	Finish metal surfaces	*	*	*	*	*	*	*	*
FT008	Dress grinding wheels	*	*	*	*	*	*	*	*
FT009	Sharpen drill bits	*	*	*	*	*	*	*	*
FT010	Install/remove rivets	*	*	*	*	*	*	*	*
FT011	Remove damaged screws/studs	*	*	*	*	*	*	*	*
FT012	Remove/install helicoil inserts	*	*	*	*	*	*	*	*
FT013	Lock-wire components	*	*	*	*	*	*	*	*
FT014	Torque fasteners	*	*	*	*	*	*	*	*
FT015	Remove/replace gaskets/seals	*	*	*	*	*	*	*	*
FT016	Inspect bearings/bushings	*	*	*	*	*	*	*	*
FT017	Remove/replace bearings/bushings	*	*	*	*	*	*	*	*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components				*			*	*
GT002	Test AFV electrical components				*			*	*
GT003	Remove/replace AFV electrical components				*			*	*
GT004	Rebuild AFV electrical components				*			*	*
GT005	Repair AFV electrical components				*			*	*
GT006	Perform Tow Under Armour (TUA) launcher tube functional tests							*	*
GT007	Test TUA turret mechanical controls							*	*
GT008	Inspect TUA turret mechanical controls							*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
GT009	Diagnose faults in TUA turret mechanical controls							*	*
GT010	Rebuild TUA turret mechanical controls							*	*
GT011	Repair TUA turret mechanical controls							*	*
GT012	Remove/replace TUA turret mechanical controls							*	*
GT013	Test TUA turret electrical components							*	*
GT014	Inspect TUA turret electrical components							*	*
GT015	Remove/replace TUA turret electrical components							*	*
GT016	Rebuild TUA turret electrical components							*	*
GT017	Repair TUA turret electrical components							*	*
	DUTY AREA H - ELECTRICAL								
HT001	Test electric motors	*	*	*	*	*	*	*	*
HT002	Adjust electric motors	*	*	*	*	*	*	*	*
HT003	Inspect electric motors	*	*	*	*	*	*	*	*
HT004	Diagnose faults in electric motors		*						*
HT005	Remove/replace electric motors	*	*	*	*	*	*	*	*
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*
HT008	Reverse rotation/change operating voltage of electric motors	*	*	*	*	*	*	*	*
HT009	Inspect electrical power tools	*	*	*	*	*	*	*	*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT012	Condition electrical power tools		*						*
HT013	Inspect electric pump/motor control units	*	*		*	*	*	*	*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*		*	*	*	*	*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT018	Adjust sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT019	Inspect sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT020	Remove/replace switches/relays	*	*	*	*	*	*	*	*
HT021	Repair switches/relays	*	*	*	*	*	*	*	*
HT022	Condition switches/relays	*	*	*	*	*	*	*	*
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*
HT027	Condition electrical appliances		*						*
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*	*	*	*	*	*	*
HT030	Adjust turret electrical controls/fire control systems				*	*	*	*	*
HT031	Inspect turret electrical controls/fire control systems				*	*	*	*	*
HT032	Test turret electrical controls/fire control systems				*	*	*	*	*
HT033	Remove/replace turret electrical components				*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT034	Locate electrical interference/noise sources	*	*	*	*	*	*	*	*
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*		*	*	*	*	*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*	*	*	*	*	*	*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*	*	*	*	*	*	*
HT043	Remove/replace transformers	*	*	*	*	*	*	*	*
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*		*	*	*	*	*
HT045	Adjust SEV power distribution systems	*	*		*	*	*	*	*
HT046	Inspect SEV power distribution systems	*	*		*	*	*	*	*
HT047	Repair faults in SEV power distribution systems	*	*						*
HT048	Diagnose faults in SEV power distribution systems	*	*						*
HT049	Test converters/rectifiers	*	*		*	*	*	*	*
HT050	Adjust converters/rectifiers	*	*		*	*	*	*	*
HT051	Inspect converters/rectifiers	*	*		*	*	*	*	*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*		*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT055	Adjust portable electrical power supplies		*						*
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*	*	*	*	*	*	*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*	*	*	*	*	*	*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*	*	*	*	*	*	*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*	*	*	*	*	*	*
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*	*	*	*	*	*	*
HT069	Service NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT070	Test NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT071	Remove/replace NiCad or lithium batteries	*	*	*	*	*	*	*	*
HT072	Diagnose electrical faults in engine driven generators	*							*
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT077	Calculate electrical power requirements	*							*
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*	*	*	*	*	*	*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*	*	*	*	*	*	*
HT084	Perform power output checks	*	*	*	*	*	*	*	*
HT085	Perform frequency measurement tests	*	*	*	*	*	*	*	*
HT086	Perform voltage drop tests	*	*	*	*	*	*	*	*
HT087	Measure voltages	*	*	*	*	*	*	*	*
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*	*					*
HT092	Adjust non-ADP office equipment		*	*					*
HT093	Inspect non-ADP office equipment		*	*	*				*
HT094	Diagnose faults in non-ADP office equipment		*	*					*
HT095	Condition non-ADP office equipment		*	*					*
HT096	Repair non-ADP office equipment		*	*					*
HT097	Fabricate wiring harnesses	*	*	*	*	*	*	*	*
HT098	Perform electrical continuity checks	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
HT099	Adjust switches	*	*	*	*	*	*	*	*
HT100	Test switches	*	*	*	*	*	*	*	*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*	*	*	*	*	*	*
HT102	Test electrical cables/cords	*	*	*	*	*	*	*	*
HT103	Repair electrical cables/cords	*	*	*	*	*	*	*	*
HT104	Install solderless terminals	*	*	*	*	*	*	*	*
HT105	Tape electrical cables	*	*	*	*	*	*	*	*
HT106	Solder electrical wires/cables	*	*	*	*	*	*	*	*
HT107	Splice electrical wires/cables	*	*	*	*	*	*	*	*
HT108	Strip electrical wires/cables	*	*	*	*	*	*	*	*
HT109	Trace electrical wiring/cabling	*	*	*	*	*	*	*	*
HT110	Remove/install electrical cables/harnesses	*	*	*	*	*	*	*	*
HT111	Repair cable sheaths/insulation	*	*	*	*	*	*	*	*
HT112	Replace grounding straps/cables	*	*	*	*	*	*	*	*
HT113	Check grounding straps	*	*	*	*	*	*	*	*
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*	*	*	*	*	*	*
IT005	Diagnose faults in printed circuit boards/modules		*	*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT006	Perform printed circuit board adjustments		*	*					*
IT007	Test electronic components		*	*	*	*	*	*	*
IT008	Test electronic controllers		*	*	*	*	*	*	*
IT009	Adjust electronic controllers		*	*	*	*	*	*	*
IT010	Inspect electronic controllers	*	*	*	*	*	*	*	*
IT011	Remove/replace electronic controllers	*	*	*	*	*	*	*	*
IT012	Diagnose faults on electronic controllers		*	*					*
IT013	Repair faults on electronic controllers		*	*					*
IT014	Inspect mine detection devices		*		*	*	*	*	*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*	*					*
IT020	Inspect non-laser electronic distance measuring equipment		*	*		*			*
IT021	Test non-laser electronic distance measuring equipment		*	*					*
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*	*					*
IT023	Repair non-laser electronic distance measuring equipment		*	*					*
IT024	Condition non-laser electronic distance measuring equipment		*	*					*
IT025	Inspect electronic chemical detecting/monitoring equipment		*		*	*	*	*	*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT028	Inspect thermal observation equipment		*		*	*	*	*	*
IT029	Remove/replace thermal observation equipment		*		*	*	*	*	*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*
IT039	Inspect global positioning systems		*		*	*	*	*	*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*		*	*	*	*	*
IT042	Condition global positioning systems		*						*
IT043	Repair global positioning systems		*						*
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*		*	*	*	*	*
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*	*	*	*	*	*	*
IT048	Setup video projection/viewing equipment								*
IT049	Inspect video projection/viewing equipment								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT050	Inspect electronic simulators/components								*
IT051	Setup electronic simulators/components								*
IT052	Inspect general electronic test equipment	*	*	*	*	*	*	*	*
IT053	Inspect special-to-type electronic test equipment		*	*	*	*	*	*	*
IT054	Purge electronic equipment		*	*	*	*	*	*	*
IT055	Desiccate electronic equipment		*	*	*	*	*	*	*
IT056	Seal electronic equipment		*	*	*	*	*	*	*
IT057	Perform pressurization test on electronic equipment		*	*	*	*	*	*	*
IT058	Inspect anti-armour guided missile launcher systems							*	
IT059	Test anti-armour guided missile launcher systems							*	
IT060	Adjust anti-armour guided missile launcher systems							*	
IT061	Remove/replace anti-armour guided missile launcher systems/components							*	
IT062	Diagnose faults in anti-armour guided missile launcher systems/components							*	
IT063	Repair anti-armour guided missile launcher systems/components							*	
IT064	Condition anti-armour guided missile launcher systems/components							*	
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems							*	
IT096	Perform OSS AGMB requirements as described in A-PD-055-003/PQ-001						*		
IT097	Perform OSS AHSC requirements as described in A-PD-055-003/PQ-001						*		
IT098	Perform OSS AGPX requirements as described in						*		

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	A-PD-055-003/PQ-001								
IT099	Perform OSS AHBL requirements as described in A-PD-055-003/PQ-001				*				
IT100	Perform OSS AHQK requirements as described in A-PD-055-003/PQ-001				*				
IT101	Perform OSS AHNG requirements as described in A-PD-055-003/PQ-001						*		
IT102	Perform OSS AGPD requirements as described in A-PD-055-003/PQ-001					*			
	DUTY AREA J - OPTRONICS								
JT001	Inspect day optical observing and sighting instruments			*	*	*	*	*	*
JT002	Test day optical observing and sighting instruments			*					*
JT003	Adjust day optical observing and sighting instruments			*					*
JT004	Diagnose faults in day optical observing and sighting instruments			*					*
JT005	Remove/replace day optical observing and sighting instruments			*	*	*	*	*	*
JT006	Repair day optical observing and sighting instruments			*					*
JT007	Condition day optical observing and sighting instruments			*					*
JT008	Purge optical equipment			*	*	*	*	*	*
JT009	Desiccate optical equipment			*	*	*	*	*	*
JT010	Seal optical equipment			*					*
JT011	Perform pressurization test on optical equipment			*	*	*	*	*	*
JT012	Adjust laser devices		*		*	*	*	*	*
JT013	Inspect laser devices		*		*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT014	Test laser devices		*		*	*	*	*	*
JT015	Diagnose faults in laser devices		*		*	*	*	*	*
JT016	Remove/replace laser devices		*		*	*	*	*	*
JT017	Repair laser devices		*		*	*	*	*	*
JT018	Condition laser devices		*		*	*	*	*	*
JT019	Inspect night observation devices			*	*	*	*	*	*
JT020	Test night observation devices			*					*
JT021	Diagnose faults in night sighting devices			*					*
JT022	Test night sighting devices			*					*
JT023	Adjust night observation devices			*					*
JT024	Repair night observation devices			*					*
JT025	Diagnose faults in night observation devices			*					*
JT026	Inspect night sighting devices			*					*
JT027	Remove/replace night sighting devices			*	*	*	*	*	*
JT028	Adjust night sighting devices			*					*
JT029	Remove/replace night observation devices			*	*	*	*	*	*
JT030	Repair night sighting devices			*					*
JT031	Condition night observation devices			*					*
JT032	Condition night sighting devices			*					*
JT033	Align AFV sighting systems				*			*	*
JT034	Test AFV sighting systems				*			*	*
JT035	Inspect AFV sighting systems				*			*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT036	Diagnose faults in AFV sighting systems				*			*	*
JT037	Remove/replace components of AFV sighting systems				*			*	*
JT038	Condition AFV sighting systems				*			*	*
JT039	Repair AFV sighting systems				*			*	*
JT040	Inspect mechanical instruments			*	*	*	*	*	*
JT041	Test mechanical instruments			*		*			*
JT042	Adjust mechanical instruments			*		*			*
JT043	Repair mechanical instruments			*		*			*
JT044	Condition mechanical instruments			*		*			*
JT045	Inspect radioactive illuminating devices		*	*	*	*	*	*	*
JT046	Inspect quadrants/clinometers			*	*	*	*	*	*
JT047	Adjust quadrants/clinometers			*					*
JT048	Test quadrants/clinometers			*					*
JT049	Diagnose faults in quadrants/clinometers			*					*
JT050	Remove/replace quadrants/clinometers			*	*	*	*	*	*
JT051	Condition quadrants/clinometers			*					*
JT052	Repair quadrants/clinometers			*					*
JT053	Adjust level vials			*	*	*			*
JT054	Remove/replace level vials			*		*			*
JT055	Remove/replace scales			*		*			*
JT056	Repair scales			*		*			*
JT057	Condition scales			*		*			*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT058	Inspect magnetic compasses			*	*	*	*	*	*
JT059	Adjust magnetic compasses			*					*
JT060	Test magnetic compasses			*					*
JT061	Diagnose faults in magnetic compasses			*					*
JT062	Repair magnetic compasses			*					*
JT063	Condition magnetic compasses			*					*
JT064	Setup optical/optronic test equipment and adapters		*	*					*
JT065	Align optical/optronic test equipment and adapters		*	*					*
JT071	Perform OSS AHQJ requirements as described in A-PD-055-003/PQ-001			*					

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
S001	Operating cranes/hoists/winches		2	2	2	2	2	2	2		2
S002	Bench fitting		1	1	1	1	1	1	1		1
S003	High reliability soldering			1	1						1
S004	Using common hand tools		1	1	1	1	1	1	1		1
S005	Soldering		1	1	1	1	1	1	1		1
S006	Operating hand-held power tools		1	1	1	1	1	1	1		1
S007	Hand filing		1	1	1	1	1	1	1		1
S008	Operating machine tools		1	1	1	1	1	1	1		1
S009	Boresighting				1	1	1	1	1		1
S010	Operating materiel handling equipment		2	2	2	2	2	2	2		2
S011	Precision measuring		2	2	2	2	2	2	2		2
S012	Using test equipment		2	2	2	2	2	2	2		2
S013	Driving		2	2	2	2	2	2	2		2
S014	Troubleshooting		1	1	1	1	1	1	1		1
S015	Freehand sketching		1	1	1	1	1	1	1		1
S016	Keyboarding		1	1	1	1	1	1	1		1
S017	Interpreting technical/mechanical drawings and schematics		1	1	1	1	1	1	1		1
S018	Operating Information Technology (IT) systems		1	1	1	1	1	1	1		1
S019	Managing materiel resources		1	1	1	1	1	1	1		1
S020	Precision layout		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
CK001	Technical library procedures	1	1	1	1	1	1	1		1
HK001	Field power distribution systems	2								2
K001	Algebra	1	1	1	1	1	1	1		2
K002	Boolean algebra		2							2
K003	Geometry	1	1	1	1	1	1	1		2
K004	Trigonometry	1	1	1	1	1	1	1		2
K005	Calculus	1	1	1	1	1	1	1		2
K006	Binary/octal/hexadecimal numbering systems		2							2
K007	Physics	1	1	1	1	1	1	1		1
K008	Magnetism	2	2	2	2	2	2	2		2
K009	Types/applications of abrasive materials	1	1	1	1	1	1	1		1
K010	Principles of mechanical advantage	1	1	1	1	1	1	1		1
K011	Operating procedures of engine driven generator systems	2	1	1	1	1	1	1		2
K012	Magnetic compass theory			1	1					1
K013	High pressure cylinder colour coding	2	2	2	2	2	2	2		2
K014	Regulators and pressure gauges	2	2	2	2	2	2	2		2
K015	Soldering principles and applications	1	1	1	1	1	1	1		1
K016	Soldering techniques	1	1	1	1	1	1	1		1
K017	Hoist/winch system operating procedures	2	2	2	2	2	2	2		2
K018	Lifting and jacking devices	2	2	2	2	2	2	2		2
K019	Shop rules and regulations	2	2	2	2	2	2	2		2
K020	Security regulations and orders	2	2	2	2	2	2	2		2
K021	Laser safety regulations	2	2	2	2	2	2	2		2
K022	Industrial safety practices	2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K023	Hazardous waste disposal procedures		1	1	1	1	1	1	1		1
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2	2	2	2	2	2		2
K025	Radiation hazards			2	2	2	2	2	2		2
K026	Electrical/electronic safety precautions and hazards		2	2	2	2	2	2	2		2
K027	Use of Personal Protective Equipment (PPE)		2	2	2	2	2	2	2		2
K028	Maintenance control records system and procedures		1	1	1	1	1	1	1		1
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2	2	2	2	2	2		2
K030	Workshop capabilities and functions		1	1	1	1	1	1	1		1
K031	Land Maintenance Systems (LMS)		1	1	1	1	1	1	1		1
K032	Effects of weather or extreme conditions on equipment		1	1	1	1	1	1	1		1
K033	Metric conversion		1	1	1	1	1	1	1		1
K034	Electronic theory			2	2	2	2	2	2		2
K035	Mechanical measuring devices construction/theory of operation		1	1	1	1	1	1	1		2
K036	Calibration of mechanical measuring devices		1	1	1	1	1	1	1		1
K037	Depreservation and preservation		1	1	1	1	1	1	1		1
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1	1	1	1	1	1		1
K039	Drill bits characteristics/identification/specification system		1	1	1	1	1	1	1		1
K040	Characteristics and uses of common hand tools		1	1	1	1	1	1	1		1
K041	Characteristics and uses of hand-held power tools		1	1	1	1	1	1	1		1
K042	Uses and applications of mechanical locking devices		1	1	1	1	1	1	1		1
K043	Mechanical alignment techniques		1	1	1	1	1	1	1		1
K044	Mechanical adjustment techniques		1	1	1	1	1	1	1		1
K045	Calculation and selection of tap drill size		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K046	Fastener identification		1	1	1	1	1	1	1		1
K047	Electrical/electronic schematics		2	2	2	2	2	2	2		2
K048	Mechanical drawings		1	1	1	1	1	1	1		1
K049	Sketching techniques		1	1	1	1	1	1	1		1
K050	Electrical test equipment		2	2	2	2	2	2	2		2
K051	Electronic test equipment		2	2	2	2	2	2	2		2
K052	Automated Built-In Tests (BIT)		2	2	2	2	2	2	2		2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1	1	1	1	1	1		1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2	2	2	2	2	2		2
K056	Electric motor theory		2	2	2	2	2	2	2		2
K057	Types and applications of electrical wire/cable		2	2	2	2	2	2	2		2
K058	Electrical wire/cable identification coding		2	2	2	2	2	2	2		2
K059	Types of wire/cable splices and their applications		2	2	2	2	2	2	2		2
K060	Turret/cab electrical system interfaces					2	2	2	2		2
K061	Converters/inverters theory		1	1		1	1	1	1		1
K062	Electrical circuit troubleshooting and analysis procedures		2	2	2	2	2	2	2		2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory			1	1	1	1	1	1		2
K065	Solid state devices		1	2	2	2	2	2	2		2
K066	Electro-Static Discharge (ESD)		2	2	2	2	2	2	2		2
K067	Digital logic theory			2		2	2	2	2		2
K068	Digital computer interface principles and techniques			2		2	2	2	2		2
K069	Basic computer theory			2		2	2	2	2		2
K070	Computer operating systems		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K071	Printed circuit board repair techniques			2	2						2
K072	Video integrated gunnery system simulators			1							1
K073	Zeroing/boresighting procedures				1	1	1	1	1		1
K074	Basic principles and theories of light				2	1	1	1	1		1
K075	Operation of day/night viewing equipment				1	1	1	1	1		1
K076	Operation of thermal imaging systems			1		1	1	1	1		1
K077	Operation of laser systems			2	2	2	2	2	2		2
K078	Classifications/applications of lasers			1	1	1	1	1	1		1
K079	Use and application of lenses/filters			1	1	1	1	1	1		1
K080	Gyroscope theory			1	1	1	1	1	1		1
K081	Operation of projection systems			1	1	1	1	1	1		1
K082	Integrated fire control systems					1	1	1	1		1
K083	National electrical code		2								2
K084	Condemnation procedures		1	1	1	1	1	1	1		1
K085	CF scales of issue		1	1	1	1	1	1	1		1
K086	Technical Failure Reports (TFR)		1	1	1	1	1	1	1		1
K087	Work scheduling procedures		1	1	1	1	1	1	1		1
K088	Planned maintenance scheduling and types of inspections		1	1	1	1	1	1	1		1
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)										1
K090	Battlefield damage repair technique		1	1	1	1	1	1	1		1
K091	Defensive positions of maintenance organizations		1	1	1	1	1	1	1		1
K092	Brake systems construction/theory of operation		1	1	1	1	1	1	1		1
K093	Hand signals for casualty/load manoeuvering		2	2	2	2	2	2	2		2
K094	Corrosion prevention and control techniques		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K095	Non-destructive testing		1	1	1	1	1	1	1		1
K096	Types of drawing		1	1	1	1	1	1	1		1
K097	Operation of anti-armour weapon systems								2		

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC B	C	D	E	F	G	H	REG F
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*	*	*	*	*	*	*
AT002#	Decontaminate equipment	*	*	*	*	*	*	*	*
AT003#	Destroy equipment to deny use	*	*	*	*	*	*	*	*
AT004#	Execute convoy functions	*	*	*	*	*	*	*	*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*	*	*	*	*	*	*
AT006#	Direct MRT/recovery activities	*	*	*	*	*	*	*	*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews								*
BT002#	Implement budget guidelines								*
BT003#	Monitor financial expenditures								*
BT004#	Prepare budget submissions								*
BT005#	Prepare civilian Performance Review Reports (PRR)								*
BT006#	Prepare cost estimates								*
BT007#	Recommend budget adjustments								*
BT008#	Review cost estimates								*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*	*	*	*	*	*	*
CT002#	Perform periodic inspections on equipment	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT003#	Complete time accounting forms	*	*	*	*	*	*	*	*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*	*	*	*	*	*	*
CT006#	Research part numbers/information from relevant media	*	*	*	*	*	*	*	*
CT007#	Advise contractors on technical problems								*
CT008#	Condemn equipment	*	*	*	*	*	*	*	*
CT009#	Coordinate equipment calibration	*	*	*	*	*	*	*	*
CT010#	Coordinate equipment disposal	*	*	*	*	*	*	*	*
CT011#	Coordinate spare parts stock levels	*	*	*	*	*	*	*	*
CT012#	Design equipment modifications	*	*	*	*	*	*	*	*
CT013#	Determine levels of repair	*	*	*	*	*	*	*	*
CT014#	Determine project/repair feasibility	*	*	*	*	*	*	*	*
CT015#	Determine scales of issue	*	*	*	*	*	*	*	*
CT016#	Establish contracts with outside agencies								*
CT017#	Estimate time/costs to complete projects and repairs	*	*	*	*	*	*	*	*
CT018#	Implement equipment modification plans	*	*	*	*	*	*	*	*
CT019#	Maintain land maintenance systems databases	*	*	*	*	*	*	*	*
CT020#	Monitor contracts with outside agencies								*
CT021#	Monitor equipment modifications	*	*	*	*	*	*	*	*
CT022#	Perform annual technical inspections	*	*	*	*	*	*	*	*
CT023#	Perform technical evaluation	*	*	*	*	*	*	*	*
CT024#	Prepare Technical Failure Reports (TFR)	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT025#	Prepare technical inspection reports	*	*	*	*	*	*	*	*
CT026#	Provide test and evaluation assistance to civilian contractors								*
CT027#	Recommend battlefield damage repair procedures	*	*	*	*	*	*	*	*
CT028#	Recommend changes to equipment testing procedures	*	*	*	*	*	*	*	*
CT029#	Review contract demands on locally procured items								*
CT030#	Review technical reports	*	*	*	*	*	*	*	*
CT031#	Source parts	*	*	*	*	*	*	*	*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*	*	*	*	*	*	*
CT033#	Verify scales of issue	*	*	*	*	*	*	*	*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*	*	*	*	*	*	*
DT002#	Issue/receive equipment, stores and spare parts	*	*	*	*	*	*	*	*
DT003#	Maintain tool cribs	*	*	*	*	*	*	*	*
DT004#	Operate Light Armoured Vehicles (LAV)				*	*	*	*	*
DT005#	Operate materiel handling equipment	*	*	*	*	*	*	*	*
DT006#	Operate tracked vehicles				*	*	*	*	*
DT007#	Operate wheeled vehicles	*	*	*	*	*	*	*	*
DT008#	Account for parts	*	*	*	*	*	*	*	*
DT009#	Hasten supply demands	*	*	*	*	*	*	*	*
DT010#	Inspect equipment/materiel in storage	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
DT011#	Maintain supply demand registers	*	*	*	*	*	*	*	*
DT012#	Setup section/unit stores system	*	*	*	*	*	*	*	*
DT013#	Purge parts from stock holdings	*	*	*	*	*	*	*	*
DT014#	Recommend changes to technical drawings/blueprints	*	*	*	*	*	*	*	*
DT015#	Scale parts	*	*	*	*	*	*	*	*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET001	Adjust air conditioning electrical/electronic components		*						*
ET002	Clean work areas	*	*	*	*	*	*	*	*
ET003	Diagnose faults in air conditioning electrical/electronic components		*						*
ET004	Maintain basic workshop tools and equipment	*	*	*	*	*	*	*	*
ET005	Maintain personal tools/tool kits	*	*	*	*	*	*	*	*
ET006	Repair air conditioning electrical/electronic components		*						*
ET007	Secure equipment	*	*	*	*	*	*	*	*
ET008	Coordinate radioactive waste storage		*	*	*	*	*	*	*
ET009	Maintain radioactive waste storage		*	*	*	*	*	*	*
ET010	Maintain workshop test equipment	*	*	*	*	*	*	*	*
ET011	Swipe-test radioactive contamination in work areas and on equipment		*	*	*	*	*	*	*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
FT002	Repair damaged threads	*	*	*	*	*	*	*	*
FT003	Punch holes	*	*	*	*	*	*	*	*
FT004	Ream holes	*	*	*	*	*	*	*	*
FT005	Tap holes	*	*	*	*	*	*	*	*
FT006	Drill holes	*	*	*	*	*	*	*	*
FT007	Finish metal surfaces	*	*	*	*	*	*	*	*
FT008	Dress grinding wheels	*	*	*	*	*	*	*	*
FT009	Sharpen drill bits	*	*	*	*	*	*	*	*
FT010	Install/remove rivets	*	*	*	*	*	*	*	*
FT011	Remove damaged screws/studs	*	*	*	*	*	*	*	*
FT012	Remove/install helicoil inserts	*	*	*	*	*	*	*	*
FT013	Lock-wire components	*	*	*	*	*	*	*	*
FT014	Torque fasteners	*	*	*	*	*	*	*	*
FT015	Remove/replace gaskets/seals	*	*	*	*	*	*	*	*
FT016	Inspect bearings/bushings	*	*	*	*	*	*	*	*
FT017	Remove/replace bearings/bushings	*	*	*	*	*	*	*	*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components				*			*	*
GT002	Test AFV electrical components				*			*	*
GT003	Remove/replace AFV electrical components				*			*	*
GT004	Rebuild AFV electrical components				*			*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
GT005	Repair AFV electrical components				*			*	*
GT006	Perform Tow Under Armour (TUA) launcher tube functional tests							*	*
GT007	Test TUA turret mechanical controls							*	*
GT008	Inspect TUA turret mechanical controls							*	*
GT009	Diagnose faults in TUA turret mechanical controls							*	*
GT010	Rebuild TUA turret mechanical controls							*	*
GT011	Repair TUA turret mechanical controls							*	*
GT012	Remove/replace TUA turret mechanical controls							*	*
GT013	Test TUA turret electrical components							*	*
GT014	Inspect TUA turret electrical components							*	*
GT015	Remove/replace TUA turret electrical components							*	*
GT016	Rebuild TUA turret electrical components							*	*
GT017	Repair TUA turret electrical components							*	*
	DUTY AREA H - ELECTRICAL								
HT001	Test electric motors	*	*	*	*	*	*	*	*
HT002	Adjust electric motors	*	*	*	*	*	*	*	*
HT003	Inspect electric motors	*	*	*	*	*	*	*	*
HT004	Diagnose faults in electric motors		*						*
HT005	Remove/replace electric motors	*	*	*	*	*	*	*	*
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT008	Reverse rotation/change operating voltage of electric motors	*	*	*	*	*	*	*	*
HT009	Inspect electrical power tools	*	*	*	*	*	*	*	*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*
HT012	Condition electrical power tools		*						*
HT013	Inspect electric pump/motor control units	*	*		*	*	*	*	*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*		*	*	*	*	*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT018	Adjust sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT019	Inspect sequential operation of switches/relays	*	*	*	*	*	*	*	*
HT020	Remove/replace switches/relays	*	*	*	*	*	*	*	*
HT021	Repair switches/relays	*	*	*	*	*	*	*	*
HT022	Condition switches/relays	*	*	*	*	*	*	*	*
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*
HT027	Condition electrical appliances		*						*
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*	*	*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT030	Adjust turret electrical controls/fire control systems				*	*	*	*	*
HT031	Inspect turret electrical controls/fire control systems				*	*	*	*	*
HT032	Test turret electrical controls/fire control systems				*	*	*	*	*
HT033	Remove/replace turret electrical components				*	*	*	*	*
HT034	Locate electrical interference/noise sources	*	*	*	*	*	*	*	*
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*		*	*	*	*	*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*	*	*	*	*	*	*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*	*	*	*	*	*	*
HT043	Remove/replace transformers	*	*	*	*	*	*	*	*
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*		*	*	*	*	*
HT045	Adjust SEV power distribution systems	*	*		*	*	*	*	*
HT046	Inspect SEV power distribution systems	*	*		*	*	*	*	*
HT047	Repair faults in SEV power distribution systems	*	*						*
HT048	Diagnose faults in SEV power distribution systems	*	*						*
HT049	Test converters/rectifiers	*	*		*	*	*	*	*
HT050	Adjust converters/rectifiers	*	*		*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT051	Inspect converters/rectifiers	*	*		*	*	*	*	*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*		*	*	*	*	*
HT055	Adjust portable electrical power supplies		*						*
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*	*	*	*	*	*	*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*	*	*	*	*	*	*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*	*	*	*	*	*	*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*	*	*	*	*	*	*
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*	*	*	*	*	*	*
HT069	Service NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT070	Test NiCad/lithium batteries	*	*	*	*	*	*	*	*
HT071	Remove/replace NiCad or lithium batteries	*	*	*	*	*	*	*	*
HT072	Diagnose electrical faults in engine driven generators	*							*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*
HT077	Calculate electrical power requirements	*							*
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*	*	*	*	*	*	*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*	*	*	*	*	*	*
HT084	Perform power output checks	*	*	*	*	*	*	*	*
HT085	Perform frequency measurement tests	*	*	*	*	*	*	*	*
HT086	Perform voltage drop tests	*	*	*	*	*	*	*	*
HT087	Measure voltages	*	*	*	*	*	*	*	*
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*	*					*
HT092	Adjust non-ADP office equipment		*	*					*
HT093	Inspect non-ADP office equipment		*	*	*				*
HT094	Diagnose faults in non-ADP office equipment		*	*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT095	Condition non-ADP office equipment		*	*					*
HT096	Repair non-ADP office equipment		*	*					*
HT097	Fabricate wiring harnesses	*	*	*	*	*	*	*	*
HT098	Perform electrical continuity checks	*	*	*	*	*	*	*	*
HT099	Adjust switches	*	*	*	*	*	*	*	*
HT100	Test switches	*	*	*	*	*	*	*	*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*	*	*	*	*	*	*
HT102	Test electrical cables/cords	*	*	*	*	*	*	*	*
HT103	Repair electrical cables/cords	*	*	*	*	*	*	*	*
HT104	Install solderless terminals	*	*	*	*	*	*	*	*
HT105	Tape electrical cables	*	*	*	*	*	*	*	*
HT106	Solder electrical wires/cables	*	*	*	*	*	*	*	*
HT107	Splice electrical wires/cables	*	*	*	*	*	*	*	*
HT108	Strip electrical wires/cables	*	*	*	*	*	*	*	*
HT109	Trace electrical wiring/cabling	*	*	*	*	*	*	*	*
HT110	Remove/install electrical cables/harnesses	*	*	*	*	*	*	*	*
HT111	Repair cable sheaths/insulation	*	*	*	*	*	*	*	*
HT112	Replace grounding straps/cables	*	*	*	*	*	*	*	*
HT113	Check grounding straps	*	*	*	*	*	*	*	*
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*	*	*	*	*	*	*
IT005	Diagnose faults in printed circuit boards/modules		*	*					*
IT006	Perform printed circuit board adjustments		*	*					*
IT007	Test electronic components		*	*	*	*	*	*	*
IT008	Test electronic controllers		*	*	*	*	*	*	*
IT009	Adjust electronic controllers		*	*	*	*	*	*	*
IT010	Inspect electronic controllers	*	*	*	*	*	*	*	*
IT011	Remove/replace electronic controllers	*	*	*	*	*	*	*	*
IT012	Diagnose faults on electronic controllers		*	*					*
IT013	Repair faults on electronic controllers		*	*					*
IT014	Inspect mine detection devices		*		*	*	*	*	*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*	*					*
IT020	Inspect non-laser electronic distance measuring equipment		*	*		*			*
IT021	Test non-laser electronic distance measuring equipment		*	*					*
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*	*					*
IT023	Repair non-laser electronic distance measuring equipment		*	*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT024	Condition non-laser electronic distance measuring equipment		*	*					*
IT025	Inspect electronic chemical detecting/monitoring equipment		*		*	*	*	*	*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*
IT028	Inspect thermal observation equipment		*		*	*	*	*	*
IT029	Remove/replace thermal observation equipment		*		*	*	*	*	*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*
IT039	Inspect global positioning systems		*		*	*	*	*	*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*		*	*	*	*	*
IT042	Condition global positioning systems		*						*
IT043	Repair global positioning systems		*						*
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*		*	*	*	*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*	*	*	*	*	*	*
IT048	Setup video projection/viewing equipment		*						*
IT049	Inspect video projection/viewing equipment		*						*
IT050	Inspect electronic simulators/components		*						*
IT051	Setup electronic simulators/components		*						*
IT052	Inspect general electronic test equipment	*	*	*	*	*	*	*	*
IT053	Inspect special-to-type electronic test equipment		*	*	*	*	*	*	*
IT054	Purge electronic equipment		*	*	*	*	*	*	*
IT055	Desiccate electronic equipment		*	*	*	*	*	*	*
IT056	Seal electronic equipment		*	*	*	*	*	*	*
IT057	Perform pressurization test on electronic equipment		*	*	*	*	*	*	*
IT058	Inspect anti-armour guided missile launcher systems							*	*
IT059	Test anti-armour guided missile launcher systems							*	*
IT060	Adjust anti-armour guided missile launcher systems							*	*
IT061	Remove/replace anti-armour guided missile launcher systems/components							*	*
IT062	Diagnose faults in anti-armour guided missile launcher systems/components							*	*
IT063	Repair anti-armour guided missile launcher systems/components							*	*
IT064	Condition anti-armour guided missile launcher systems/components							*	*
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems							*	*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT066	Perform printed circuit board repairs		*	*					*
IT067	Inspect Explosive Ordnance Disposal (EOD) electronic handling equipment		*						*
IT068	Adjust EOD electronic handling equipment		*						*
IT069	Test EOD electronic handling equipment		*						*
IT070	Repair EOD electronic handling equipment		*						*
IT071	Diagnose EOD electronic handling equipment		*						*
IT072	Adjust electronic chemical detecting/monitoring equipment		*						*
IT073	Test electronic chemical detecting/monitoring equipment		*						*
IT074	Diagnose faults on electronic chemical detecting/monitoring equipment		*						*
IT075	Repair electronic chemical detection/monitoring equipment		*						*
IT076	Condition electronic chemical detection/monitoring equipment		*						*
IT077	Adjust computer systems		*						*
IT078	Locate faults in computer systems		*						*
IT079	Remove/replace major subassemblies of computers		*						*
IT080	Condition components of computer systems		*						*
IT081	Repair components of computer systems		*						*
IT082	Adjust video projection/viewing equipment		*						*
IT083	Test video projection/viewing equipment		*						*
IT084	Diagnose faults on video projection/viewing equipment		*						*
IT085	Repair video projection/viewing equipment		*						*
IT086	Condition video projection/viewing equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT087	Adjust electronic simulators/components		*						*
IT088	Test electronic simulators/components		*						*
IT089	Remove/replace electronic simulators/components		*						*
IT090	Diagnose faults in electronic simulators/components		*						*
IT091	Condition electronic simulators/components		*						*
IT092	Repair electronic simulators/components		*						*
IT093	Adjust special-to-type electronic test equipment		*	*	*	*	*	*	*
IT094	Repair special-to-type electronic test equipment		*	*					*
IT095	Condition special-to-type electronic test equipment		*	*					*
IT096	Perform OSS AGMB requirements as described in A-PD-055-003/PQ-001						*		
IT097	Perform OSS AHSC requirements as described in A-PD-055-003/PQ-001						*		
IT098	Perform OSS AGPX requirements as described in A-PD-055-003/PQ-001						*		
IT099	Perform OSS AHBL requirements as described in A-PD-055-003/PQ-001				*				
IT100	Perform OSS AHQK requirements as described in A-PD-055-003/PQ-001				*				
IT101	Perform OSS AHNG requirements as described in A-PD-055-003/PQ-001						*		
IT102	Perform OSS AGPD requirements as described in A-PD-055-003/PQ-001					*			
	DUTY AREA J - OPTRONICS								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT001	Inspect day optical observing and sighting instruments			*	*	*	*	*	*
JT002	Test day optical observing and sighting instruments			*					*
JT003	Adjust day optical observing and sighting instruments			*					*
JT004	Diagnose faults in day optical observing and sighting instruments			*					*
JT005	Remove/replace day optical observing and sighting instruments			*	*	*	*	*	*
JT006	Repair day optical observing and sighting instruments			*					*
JT007	Condition day optical observing and sighting instruments			*					*
JT008	Purge optical equipment			*	*	*	*	*	*
JT009	Desiccate optical equipment			*	*	*	*	*	*
JT010	Seal optical equipment			*					*
JT011	Perform pressurization test on optical equipment			*	*	*	*	*	*
JT012	Adjust laser devices		*		*	*	*	*	*
JT013	Inspect laser devices		*		*	*	*	*	*
JT014	Test laser devices		*		*	*	*	*	*
JT015	Diagnose faults in laser devices		*		*	*	*	*	*
JT016	Remove/replace laser devices		*		*	*	*	*	*
JT017	Repair laser devices		*		*	*	*	*	*
JT018	Condition laser devices		*		*	*	*	*	*
JT019	Inspect night observation devices			*	*	*	*	*	*
JT020	Test night observation devices			*					*
JT021	Diagnose faults in night sighting devices			*					*
JT022	Test night sighting devices			*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT023	Adjust night observation devices			*					*
JT024	Repair night observation devices			*					*
JT025	Diagnose faults in night observation devices			*					*
JT026	Inspect night sighting devices			*	*	*	*	*	*
JT027	Remove/replace night sighting devices			*	*	*	*	*	*
JT028	Adjust night sighting devices			*					*
JT029	Remove/replace night observation devices			*	*	*	*	*	*
JT030	Repair night sighting devices			*					*
JT031	Condition night observation devices			*					*
JT032	Condition night sighting devices			*					*
JT033	Align AFV sighting systems				*			*	*
JT034	Test AFV sighting systems				*			*	*
JT035	Inspect AFV sighting systems				*			*	*
JT036	Diagnose faults in AFV sighting systems				*			*	*
JT037	Remove/replace components of AFV sighting systems				*			*	*
JT038	Condition AFV sighting systems				*			*	*
JT039	Repair AFV sighting systems				*			*	*
JT040	Inspect mechanical instruments			*	*	*	*	*	*
JT041	Test mechanical instruments			*		*			*
JT042	Adjust mechanical instruments			*		*			*
JT043	Repair mechanical instruments			*		*			*
JT044	Condition mechanical instruments			*		*			*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT045	Inspect radioactive illuminating devices		*	*	*	*	*	*	*
JT046	Inspect quadrants/clinometers			*	*	*	*	*	*
JT047	Adjust quadrants/clinometers			*					*
JT048	Test quadrants/clinometers			*					*
JT049	Diagnose faults in quadrants/clinometers			*					*
JT050	Remove/replace quadrants/clinometers			*	*	*	*	*	*
JT051	Condition quadrants/clinometers			*					*
JT052	Repair quadrants/clinometers			*					*
JT053	Adjust level vials			*	*	*			*
JT054	Remove/replace level vials			*		*			*
JT055	Remove/replace scales			*		*			*
JT056	Repair scales			*		*			*
JT057	Condition scales			*		*			*
JT058	Inspect magnetic compasses			*	*	*	*	*	*
JT059	Adjust magnetic compasses			*					*
JT060	Test magnetic compasses			*					*
JT061	Diagnose faults in magnetic compasses			*					*
JT062	Repair magnetic compasses			*					*
JT063	Condition magnetic compasses			*					*
JT064	Setup optical/optronic test equipment and adapters		*	*					*
JT065	Align optical/optronic test equipment and adapters		*	*					*
JT066	Inspect optical/optronic test equipment and adapters		*	*					*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT067	Test optical/optronic test equipment and adapters		*	*					*
JT068	Diagnose faults in optical/optronic test equipment and adapters		*	*					*
JT069	Condition optical/optronic test equipment and adapters		*	*					*
JT070	Repair optical/optronic test equipment and adapters		*	*					*
JT071	Perform OSS AHQJ requirements as described in A-PD-055-003/PQ-001			*					

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
CS001	Technical writing		1	1	1	1	1	1	1		1
S001	Operating cranes/hoists/winches		2	2	2	2	2	2	2		2
+ S002	Bench fitting		2	2	2	2	2	2	2		2
+ S003	High reliability soldering			2	2						2
+ S004	Using common hand tools		2	2	2	2	2	2	2		2
+ S005	Soldering		2	2	2	2	2	2	2		2
+ S006	Operating hand-held power tools		2	2	2	2	2	2	2		2
+ S007	Hand filing		2	2	2	2	2	2	2		2
+ S008	Operating machine tools		2	2	2	2	2	2	2		2
+ S009	Boresighting				2	2	2	2	2		2
S010	Operating materiel handling equipment		2	2	2	2	2	2	2		2
S011	Precision measuring		2	2	2	2	2	2	2		2
S012	Using test equipment		2	2	2	2	2	2	2		2
S013	Driving		2	2	2	2	2	2	2		2
+ S014	Troubleshooting		2	2	2	2	2	2	2		2
+ S015	Freehand sketching		2	2	2	2	2	2	2		2
S016	Keyboarding		1	1	1	1	1	1	1		1
+ S017	Interpreting technical/mechanical drawings and schematics		2	2	2	2	2	2	2		2
S018	Operating Information Technology (IT) systems		1	1	1	1	1	1	1		1
+ S019	Managing materiel resources		2	2	2	2	2	2	2		2
+ S020	Precision layout		2	2	2	2	2	2	2		2
S021	Financial forecasting										1
S022	Evaluating maintenance management information		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE										
BK001	Civilian employee administration										1
CK001	Technical library procedures		1	1	1	1	1	1	1		1
CK002	Technical writing techniques		1	1	1	1	1	1	1		1
CK003	Attrition Warning Reports (AWR)										1
HK001	Field power distribution systems		2								2
HK002	Range duties					2	2	2	2		2
K001	Algebra		1	1	1	1	1	1	1		2
K002	Boolean algebra			2							2
K003	Geometry		1	1	1	1	1	1	1		2
K004	Trigonometry		1	1	1	1	1	1	1		2
K005	Calculus		1	1	1	1	1	1	1		2
K006	Binary/octal/hexadecimal numbering systems			2							2
+ K007	Physics		1	2	2	1	1	1	1		2
K008	Magnetism		2	2	2	2	2	2	2		2
+ K009	Types/applications of abrasive materials		2	2	2	2	2	2	2		2
K010	Principles of mechanical advantage		1	1	1	1	1	1	1		1
K011	Operating procedures of engine driven generator systems		2	2	2	2	2	2	2		2
K012	Magnetic compass theory				1						1
K013	High pressure cylinder colour coding		2	2	2	2	2	2	2		2
K014	Regulators and pressure gauges		2	2	2	2	2	2	2		2
+ K015	Soldering principles and applications		2	2	2	2	2	2	2		2
K016	Soldering techniques		2	2	2	2	2	2	2		2
K017	Hoist/winch system operating procedures		2	2	2	2	2	2	2		2
K018	Lifting and jacking devices		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K019	Shop rules and regulations		2	2	2	2	2	2	2		2
K020	Security regulations and orders		2	2	2	2	2	2	2		2
K021	Laser safety regulations		2	2	2	2	2	2	2		2
K022	Industrial safety practices		2	2	2	2	2	2	2		2
+ K023	Hazardous waste disposal procedures		2	2	2	2	2	2	2		2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2	2	2	2	2	2		2
K025	Radiation hazards			2	2	2	2	2	2		2
K026	Electrical/electronic safety precautions and hazards		2	2	2	2	2	2	2		2
K027	Use of Personal Protective Equipment (PPE)		2	2	2	2	2	2	2		2
+ K028	Maintenance control records system and procedures		2	2	2	2	2	2	2		2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2	2	2	2	2	2		2
K030	Workshop capabilities and functions		1	1	1	1	1	1	1		1
+ K031	Land Maintenance Systems (LMS)		1	1	1	1	1	1	1		2
+ K032	Effects of weather or extreme conditions on equipment		2	2	2	2	2	2	2		2
K033	Metric conversion		1	1	1	1	1	1	1		1
K034	Electronic theory			2	2	2	2	2	2		2
K035	Mechanical measuring devices construction/theory of operation		2	2	2	2	2	2	2		2
K036	Calibration of mechanical measuring devices		1	1	1	1	1	1	1		1
+ K037	Depreservation and preservation		2	2	2	2	2	2	2		2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1	1	1	1	1	1		1
+ K039	Drill bits characteristics/identification/specification system		2	2	2	2	2	2	2		2
+ K040	Characteristics and uses of common hand tools		2	2	2	2	2	2	2		2
+ K041	Characteristics and uses of hand-held power tools		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K042	Uses and applications of mechanical locking devices		2	2	2	2	2	2	2		2
K043	Mechanical alignment techniques		1	1	1	1	1	1	1		1
+ K044	Mechanical adjustment techniques		2	2	2	2	2	2	2		2
K045	Calculation and selection of tap drill size		1	1	1	1	1	1	1		1
K046	Fastener identification		1	1	1	1	1	1	1		1
K047	Electrical/electronic schematics		2	2	2	2	2	2	2		2
+ K048	Mechanical drawings		2	2	2	2	2	2	2		2
+ K049	Sketching techniques		2	2	2	2	2	2	2		2
K050	Electrical test equipment		2	2	2	2	2	2	2		2
K051	Electronic test equipment		2	2	2	2	2	2	2		2
K052	Automated Built-In Tests (BIT)		2	2	2	2	2	2	2		2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1	1	1	1	1	1		1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2	2	2	2	2	2		2
K056	Electric motor theory		2	2	2	2	2	2	2		2
K057	Types and applications of electrical wire/cable		2	2	2	2	2	2	2		2
K058	Electrical wire/cable identification coding		2	2	2	2	2	2	2		2
K059	Types of wire/cable splices and their applications		2	2	2	2	2	2	2		2
K060	Turret/cab electrical system interfaces					2	2	2	2		2
+ K061	Converters/inverters theory		2	2		2	2	2	2		2
K062	Electrical circuit troubleshooting and analysis procedures		2	2	2	2	2	2	2		2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory			1	1	1	1	1	1		2
K065	Solid state devices		1	2	2	2	2	2	2		2
K066	Electro-Static Discharge (ESD)		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K067	Digital logic theory			2		2	2	2	2		2
K068	Digital computer interface principles and techniques			2		2	2	2	2		2
K069	Basic computer theory			2		2	2	2	2		2
K070	Computer operating systems		1	1	1	1	1	1	1		1
K071	Printed circuit board repair techniques			2	2						2
K072	Video integrated gunnery system simulators			1							1
+ K073	Zeroing/boresighting procedures				2	2	2	2	2		2
K074	Basic principles and theories of light				2	1	1	1	1		1
K075	Operation of day/night viewing equipment				1	1	1	1	1		1
+ K076	Operation of thermal imaging systems			2		2	2	2	2		2
K077	Operation of laser systems			2	2	2	2	2	2		2
+ K078	Classifications/applications of lasers			2	2	2	2	2	2		2
+ K079	Use and application of lenses/filters			2	2	2	2	2	2		2
K080	Gyroscope theory			1	1	1	1	1	1		1
K081	Operation of projection systems			1	1	1	1	1	1		1
+ K082	Integrated fire control systems					2	2	2	2		2
K083	National electrical code		2								2
+ K084	Condemnation procedures		1	1	1	1	1	1	1		2
K085	CF scales of issue		1	1	1	1	1	1	1		1
+ K086	Technical Failure Reports (TFR)		1	1	1	1	1	1	1		2
+ K087	Work scheduling procedures		1	1	1	1	1	1	1		2
K088	Planned maintenance scheduling and types of inspections		1	1	1	1	1	1	1		1
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1	1	1	1	1	1		1
+ K090	Battlefield damage repair technique		2	2	2	2	2	2	2		2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K091	Defensive positions of maintenance organizations		2	2	2	2	2	2	2		2
+ K092	Brake systems construction/theory of operation		2	2	2	2	2	2	2		2
K093	Hand signals for casualty/load manoeuvering		2	2	2	2	2	2	2		2
+ K094	Corrosion prevention and control techniques		2	2	2	2	2	2	2		2
K095	Non-destructive testing		1	1	1	1	1	1	1		1
K096	Types of drawing		2	2	2	2	2	2	2		2
K097	Operation of anti-armour weapon systems								2		2
K098	Financial accounting procedures		1	1	1	1	1	1	1		1
K099	Quality Assurance/Quality Control (QA/QC) procedures		1	1	1	1	1	1	1		2
K100	Warranty procedures		1	1	1	1	1	1	1		2
K101	Equipment Logistic Directives (ELD)		1	1	1	1	1	1	1		1
K102	Equipment Support Lists (ESL)		1	1	1	1	1	1	1		1
K103	Canadian Field Force equipment table (CFFET)		1	1	1	1	1	1	1		1
K104	Contract staffing requirements and procedures										1
K105	Canadian Forces Organization Orders (CFOO)		1	1	1	1	1	1	1		1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	TASKS								
	DUTY AREA A - OPERATIONS								
AT001#	Erect/strike vehicle maintenance shelters	*	*						*
AT002#	Decontaminate equipment	*	*						*
AT003#	Destroy equipment to deny use	*	*						*
AT004#	Execute convoy functions	*	*						*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*						*
AT006#	Direct MRT/recovery activities	*	*						*
+AT007#	Conduct maintenance platoon defensive area clearance operations	*	*						*
+AT008#	Investigate battlefield damage repair procedures	*	*						*
+AT009#	Layout maintenance platoon defensive positions	*	*						*
+AT010#	Plan maintenance platoon defensive area clearance operations	*	*						*
+AT011#	Select maintenance platoon defensive positions	*	*						*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews	*	*						*
BT002#	Implement budget guidelines	*	*						*
BT003#	Monitor financial expenditures	*	*						*
BT004#	Prepare budget submissions	*	*						*
BT005#	Prepare civilian Performance Review Reports (PRR)	*	*						*
BT006#	Prepare cost estimates	*	*						*
BT007#	Recommend budget adjustments	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
BT008#	Review cost estimates	*	*						*
+BT009#	Authorize financial expenditures	*	*						*
+BT010#	Certify civilian time sheets	*	*						*
+BT011#	Coordinate civilian overtime	*	*						*
+BT012#	Participate in civilian competition boards	*	*						*
+BT013#	Participate in civilian disciplinary hearings	*	*						*
+BT014#	Participate in civilian staffing appeals	*	*						*
+BT015#	Prepare civilian work descriptions	*	*						*
+BT016#	Prepare military statement of duties	*	*						*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT001#	Complete identity and condition tags	*	*						*
CT002#	Perform periodic inspections on equipment	*	*						*
CT003#	Complete time accounting forms	*	*						*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*						*
CT006#	Research part numbers/information from relevant media	*	*						*
CT007#	Advise contractors on technical problems	*	*						*
CT008#	Condemn equipment	*	*						*
CT009#	Coordinate equipment calibration	*	*						*
CT010#	Coordinate equipment disposal	*	*						*
CT011#	Coordinate spare parts stock levels	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT012#	Design equipment modifications	*	*						*
CT013#	Determine levels of repair	*	*						*
CT014#	Determine project/repair feasibility	*	*						*
CT015#	Determine scales of issue	*	*						*
CT016#	Establish contracts with outside agencies	*	*						*
CT017#	Estimate time/costs to complete projects and repairs	*	*						*
CT018#	Implement equipment modification plans	*	*						*
CT019#	Maintain land maintenance systems databases	*	*						*
CT020#	Monitor contracts with outside agencies	*	*						*
CT021#	Monitor equipment modifications	*	*						*
CT022#	Perform annual technical inspections	*	*						*
CT023#	Perform technical evaluation	*	*						*
CT024#	Prepare Technical Failure Reports (TFR)	*	*						*
CT025#	Prepare technical inspection reports	*	*						*
CT026#	Provide test and evaluation assistance to civilian contractors	*	*						*
CT027#	Recommend battlefield damage repair procedures	*	*						*
CT028#	Recommend changes to equipment testing procedures	*	*						*
CT029#	Review contract demands on locally procured items	*	*						*
CT030#	Review technical reports	*	*						*
CT031#	Source parts	*	*						*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT033#	Verify scales of issue	*	*						*
+CT034#	Amend permissive repair schedule	*	*						*
+CT035#	Analyse statistical reports	*	*						*
+CT036#	Certify receipt of contractor services	*	*						*
+CT037#	Conduct repair time trials	*	*						*
+CT038#	Conduct technical investigations	*	*						*
+CT039#	Control equipment configuration	*	*						*
+CT040#	Coordinate technical field trials	*	*						*
+CT041#	Define equipment capabilities	*	*						*
+CT042#	Draft standard repair times	*	*						*
+CT043#	Evaluate prototype/equipment modifications	*	*						*
+CT044#	Formulate maintenance plans	*	*						*
+CT045#	Formulate maintenance policies and procedures	*	*						*
+CT046#	Investigate new maintenance procedures/test equipment/facilities	*	*						*
+CT047#	Maintain technical data packages	*	*						*
+CT048#	Monitor equipment repair delays	*	*						*
+CT049#	Prepare business plans	*	*						*
+CT050#	Prepare service papers	*	*						*
+CT051#	Prepare statements of technical requirements and specifications	*	*						*
+CT052#	Review contractor documentation/publications	*	*						*
+CT053#	Review suggestion award submissions								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
+CT054#	Review technical documents and design data	*	*						*
+CT055#	Staff materiel authorization documents	*	*						*
+CT056#	Staff Technical Failure Reports (TFR)/Unsatisfactory Condition Reports (UCR)	*	*						*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT001#	Assemble modification kits	*	*						*
DT002#	Issue/receive equipment, stores and spare parts	*	*						*
DT003#	Maintain tool cribs	*	*						*
DT004#	Operate Light Armoured Vehicles (LAV)	*	*						*
DT005#	Operate materiel handling equipment	*	*						*
DT006#	Operate tracked vehicles	*	*						*
DT007#	Operate wheeled vehicles	*	*						*
DT008#	Account for parts	*	*						*
DT009#	Hasten supply demands	*	*						*
DT010#	Inspect equipment/materiel in storage	*	*						*
DT011#	Maintain supply demand registers	*	*						*
DT012#	Setup section/unit stores system	*	*						*
DT013#	Purge parts from stock holdings	*	*						*
DT014#	Recommend changes to technical drawings/blueprints	*	*						*
DT015#	Scale parts	*	*						*
+DT016#	Direct technical field trials	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET001	Adjust air conditioning electrical/electronic components		*						*
ET002	Clean work areas	*	*						*
ET003	Diagnose faults in air conditioning electrical/electronic components		*						*
ET004	Maintain basic workshop tools and equipment	*	*						*
ET005	Maintain personal tools/tool kits	*	*						*
ET006	Repair air conditioning electrical/electronic components		*						*
ET007	Secure equipment	*	*						*
ET008	Coordinate radioactive waste storage		*						*
ET009	Maintain radioactive waste storage		*						*
ET010	Maintain workshop test equipment	*	*						*
ET011	Swipe-test radioactive contamination in work areas and on equipment		*						*
+ET012	Perform investigative equipment teardown/disassembly		*						*
	DUTY AREA F - MECHANICAL FITTING								
FT001	Manufacture threads	*	*						*
FT002	Repair damaged threads	*	*						*
FT003	Punch holes	*	*						*
FT004	Ream holes	*	*						*
FT005	Tap holes	*	*						*
FT006	Drill holes	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
FT007	Finish metal surfaces	*	*						*
FT008	Dress grinding wheels	*	*						*
FT009	Sharpen drill bits	*	*						*
FT010	Install/remove rivets	*	*						*
FT011	Remove damaged screws/studs	*	*						*
FT012	Remove/install helicoil inserts	*	*						*
FT013	Lock-wire components	*	*						*
FT014	Torque fasteners	*	*						*
FT015	Remove/replace gaskets/seals	*	*						*
FT016	Inspect bearings/bushings	*	*						*
FT017	Remove/replace bearings/bushings	*	*						*
	DUTY AREA G - ARMAMENT								
GT001	Inspect Armoured Fighting Vehicle (AFV) electrical components								*
GT002	Test AFV electrical components								*
GT003	Remove/replace AFV electrical components								*
GT004	Rebuild AFV electrical components								*
GT005	Repair AFV electrical components								*
GT006	Perform Tow Under Armour (TUA) launcher tube functional tests								*
GT007	Test TUA turret mechanical controls								*
GT008	Inspect TUA turret mechanical controls								*
GT009	Diagnose faults in TUA turret mechanical controls								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
GT010	Rebuild TUA turret mechanical controls								*
GT011	Repair TUA turret mechanical controls								*
GT012	Remove/replace TUA turret mechanical controls								*
GT013	Test TUA turret electrical components								*
GT014	Inspect TUA turret electrical components								*
GT015	Remove/replace TUA turret electrical components								*
GT016	Rebuild TUA turret electrical components								*
GT017	Repair TUA turret electrical components								*
	DUTY AREA H - ELECTRICAL								
HT001	Test electric motors	*	*						*
HT002	Adjust electric motors	*	*						*
HT003	Inspect electric motors	*	*						*
HT004	Diagnose faults in electric motors		*						*
HT005	Remove/replace electric motors	*	*						*
HT006	Repair electric motors		*						*
HT007	Condition electric motors		*						*
HT008	Reverse rotation/change operating voltage of electric motors	*	*						*
HT009	Inspect electrical power tools	*	*						*
HT010	Diagnose faults in electrical power tools		*						*
HT011	Repair electrical power tools		*						*
HT012	Condition electrical power tools		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT013	Inspect electric pump/motor control units	*	*						*
HT014	Repair electric pump/motor control units		*						*
HT015	Remove/replace electric pump/motor control units	*	*						*
HT016	Burnish electrical contacts	*	*						*
HT017	Test sequential operation of switches/relays	*	*						*
HT018	Adjust sequential operation of switches/relays	*	*						*
HT019	Inspect sequential operation of switches/relays	*	*						*
HT020	Remove/replace switches/relays	*	*						*
HT021	Repair switches/relays	*	*						*
HT022	Condition switches/relays	*	*						*
HT023	Test electrical appliances		*						*
HT024	Adjust electrical appliances		*						*
HT025	Inspect electrical appliances		*						*
HT026	Diagnose faults in electrical appliances		*						*
HT027	Condition electrical appliances		*						*
HT028	Repair electrical appliances		*						*
HT029	Maintain engine-powered generator sets	*	*						*
HT030	Adjust turret electrical controls/fire control systems								*
HT031	Inspect turret electrical controls/fire control systems								*
HT032	Test turret electrical controls/fire control systems								*
HT033	Remove/replace turret electrical components								*
HT034	Locate electrical interference/noise sources	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT035	Test electrical/electronic systems of welding equipment		*						*
HT036	Adjust electrical/electronic systems of welding equipment		*						*
HT037	Inspect electrical/electronic systems of welding equipment		*						*
HT038	Diagnose faults in electrical/electronic systems of welding equipment		*						*
HT039	Repair/condition electrical/electronic systems of welding equipment		*						*
HT040	Inspect transformers	*	*						*
HT041	Repair transformers		*						*
HT042	Test transformers	*	*						*
HT043	Remove/replace transformers	*	*						*
HT044	Test Special Equipment Vehicle (SEV) power distribution systems	*	*						*
HT045	Adjust SEV power distribution systems	*	*						*
HT046	Inspect SEV power distribution systems	*	*						*
HT047	Repair faults in SEV power distribution systems	*	*						*
HT048	Diagnose faults in SEV power distribution systems	*	*						*
HT049	Test converters/rectifiers	*	*						*
HT050	Adjust converters/rectifiers	*	*						*
HT051	Inspect converters/rectifiers	*	*						*
HT052	Diagnose faults in converters/rectifiers		*						*
HT053	Repair faults in converters/rectifiers		*						*
HT054	Remove/replace converters/rectifiers	*	*						*
HT055	Adjust portable electrical power supplies		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT056	Test portable electrical power supplies		*						*
HT057	Inspect portable electrical power supplies	*	*						*
HT058	Diagnose faults in portable electrical power supplies		*						*
HT059	Repair faults in portable electrical power supplies		*						*
HT060	Remove/replace portable electrical power supplies	*	*						*
HT061	Test battery chargers		*						*
HT062	Inspect battery chargers	*	*						*
HT063	Adjust battery chargers		*						*
HT064	Diagnose faults in battery chargers		*						*
HT065	Remove/replace battery chargers	*	*						*
HT066	Repair battery chargers		*						*
HT067	Condition battery chargers		*						*
HT068	Inspect Nickel-Cadium (NiCad)/lithium batteries	*	*						*
HT069	Service NiCad/lithium batteries	*	*						*
HT070	Test NiCad/lithium batteries	*	*						*
HT071	Remove/replace NiCad or lithium batteries	*	*						*
HT072	Diagnose electrical faults in engine driven generators	*							*
HT073	Remove/replace electrical components in engine driven generators	*							*
HT074	Repair electrical faults in engine driven generators	*							*
HT075	Perform load tests on portable generators	*							*
HT076	Design field wiring power grids/distribution layouts	*							*
HT077	Calculate electrical power requirements	*							*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT078	Install/remove field wiring	*							*
HT079	Setup/take down portable field lighting	*							*
HT080	Wire electrical distribution panels	*							*
HT081	Perform line current tests or checks	*	*						*
HT082	Balance three-phase generator loads	*							*
HT083	Perform insulation resistance tests	*	*						*
HT084	Perform power output checks	*	*						*
HT085	Perform frequency measurement tests	*	*						*
HT086	Perform voltage drop tests	*	*						*
HT087	Measure voltages	*	*						*
HT088	Diagnose faults in electric heaters		*						*
HT089	Repair electric heaters		*						*
HT090	Condition electric heaters		*						*
HT091	Test non-Automatic Data Processing (ADP) office equipment		*						*
HT092	Adjust non-ADP office equipment		*						*
HT093	Inspect non-ADP office equipment		*						*
HT094	Diagnose faults in non-ADP office equipment		*						*
HT095	Condition non-ADP office equipment		*						*
HT096	Repair non-ADP office equipment		*						*
HT097	Fabricate wiring harnesses	*	*						*
HT098	Perform electrical continuity checks	*	*						*
HT099	Adjust switches	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
HT100	Test switches	*	*						*
HT101	Remove/replace electrical wires and cables plugs/connectors/jacks	*	*						*
HT102	Test electrical cables/cords	*	*						*
HT103	Repair electrical cables/cords	*	*						*
HT104	Install solderless terminals	*	*						*
HT105	Tape electrical cables	*	*						*
HT106	Solder electrical wires/cables	*	*						*
HT107	Splice electrical wires/cables	*	*						*
HT108	Strip electrical wires/cables	*	*						*
HT109	Trace electrical wiring/cabling	*	*						*
HT110	Remove/install electrical cables/harnesses	*	*						*
HT111	Repair cable sheaths/insulation	*	*						*
HT112	Replace grounding straps/cables	*	*						*
HT113	Check grounding straps	*	*						*
	DUTY AREA I - ELECTRONICS								
IT001	Inspect electric/electronic materiel handling equipment		*						*
IT002	Condition electric/electronic materiel handling equipment		*						*
IT003	Repair electric/electronic materiel handling equipment		*						*
IT004	Remove/replace printed circuit boards/modules	*	*						*
IT005	Diagnose faults in printed circuit boards/modules		*						*
IT006	Perform printed circuit board adjustments		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT007	Test electronic components		*						*
IT008	Test electronic controllers		*						*
IT009	Adjust electronic controllers		*						*
IT010	Inspect electronic controllers	*	*						*
IT011	Remove/replace electronic controllers	*	*						*
IT012	Diagnose faults on electronic controllers		*						*
IT013	Repair faults on electronic controllers		*						*
IT014	Inspect mine detection devices		*						*
IT015	Adjust mine detection devices		*						*
IT016	Test mine detection devices		*						*
IT017	Diagnose faults in mine detection devices		*						*
IT018	Repair faults in mine detection devices		*						*
IT019	Adjust non-laser electronic distance measuring equipment		*						*
IT020	Inspect non-laser electronic distance measuring equipment		*						*
IT021	Test non-laser electronic distance measuring equipment		*						*
IT022	Diagnose faults in non-laser electronic distance measuring equipment		*						*
IT023	Repair non-laser electronic distance measuring equipment		*						*
IT024	Condition non-laser electronic distance measuring equipment		*						*
IT025	Inspect electronic chemical detecting/monitoring equipment		*						*
IT026	Adjust thermal observation equipment		*						*
IT027	Test thermal observation equipment		*						*
IT028	Inspect thermal observation equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT029	Remove/replace thermal observation equipment		*						*
IT030	Diagnose faults on thermal observation equipment		*						*
IT031	Repair thermal observation equipment		*						*
IT032	Condition thermal observation equipment		*						*
IT033	Test field force photocopiers		*						*
IT034	Adjust field force photocopiers		*						*
IT035	Inspect field force photocopiers		*						*
IT036	Diagnose faults in field force photocopiers		*						*
IT037	Repair field force photocopiers		*						*
IT038	Condition field force photocopiers		*						*
IT039	Inspect global positioning systems		*						*
IT040	Test global positioning systems		*						*
IT041	Remove/replace global positioning systems		*						*
IT042	Condition global positioning systems		*						*
IT043	Repair global positioning systems		*						*
IT044	Test computer systems		*						*
IT045	Inspect computer systems		*						*
IT046	Clean internal components of computer systems		*						*
IT047	Perform computer-aided diagnostic tests		*						*
IT048	Setup video projection/viewing equipment		*						*
IT049	Inspect video projection/viewing equipment		*						*
IT050	Inspect electronic simulators/components		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT051	Setup electronic simulators/components		*						*
IT052	Inspect general electronic test equipment	*	*						*
IT053	Inspect special-to-type electronic test equipment		*						*
IT054	Purge electronic equipment		*						*
IT055	Desiccate electronic equipment		*						*
IT056	Seal electronic equipment		*						*
IT057	Perform pressurization test on electronic equipment		*						*
IT058	Inspect anti-armour guided missile launcher systems								*
IT059	Test anti-armour guided missile launcher systems								*
IT060	Adjust anti-armour guided missile launcher systems								*
IT061	Remove/replace anti-armour guided missile launcher systems/components								*
IT062	Diagnose faults in anti-armour guided missile launcher systems/components								*
IT063	Repair anti-armour guided missile launcher systems/components								*
IT064	Condition anti-armour guided missile launcher systems/components								*
IT065	Perform pre-fire checks on anti-armour guided missile launcher systems								*
IT066	Perform printed circuit board repairs		*						*
IT067	Inspect Explosive Ordnance Disposal (EOD) electronic handling equipment		*						*
IT068	Adjust EOD electronic handling equipment		*						*
IT069	Test EOD electronic handling equipment		*						*
IT070	Repair EOD electronic handling equipment		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT071	Diagnose EOD electronic handling equipment		*						*
IT072	Adjust electronic chemical detecting/monitoring equipment		*						*
IT073	Test electronic chemical detecting/monitoring equipment		*						*
IT074	Diagnose faults on electronic chemical detecting/monitoring equipment		*						*
IT075	Repair electronic chemical detection/monitoring equipment		*						*
IT076	Condition electronic chemical detection/monitoring equipment		*						*
IT077	Adjust computer systems		*						*
IT078	Locate faults in computer systems		*						*
IT079	Remove/replace major subassemblies of computers		*						*
IT080	Condition components of computer systems		*						*
IT081	Repair components of computer systems		*						*
IT082	Adjust video projection/viewing equipment		*						*
IT083	Test video projection/viewing equipment		*						*
IT084	Diagnose faults on video projection/viewing equipment		*						*
IT085	Repair video projection/viewing equipment		*						*
IT086	Condition video projection/viewing equipment		*						*
IT087	Adjust electronic simulators/components		*						*
IT088	Test electronic simulators/components		*						*
IT089	Remove/replace electronic simulators/components		*						*
IT090	Diagnose faults in electronic simulators/components		*						*
IT091	Condition electronic simulators/components		*						*
IT092	Repair electronic simulators/components		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
IT093	Adjust special-to-type electronic test equipment		*						*
IT094	Repair special-to-type electronic test equipment		*						*
IT095	Condition special-to-type electronic test equipment		*						*
	DUTY AREA J - OPTRONICS								
JT001	Inspect day optical observing and sighting instruments								*
JT002	Test day optical observing and sighting instruments								*
JT003	Adjust day optical observing and sighting instruments								*
JT004	Diagnose faults in day optical observing and sighting instruments								*
JT005	Remove/replace day optical observing and sighting instruments								*
JT006	Repair day optical observing and sighting instruments								*
JT007	Condition day optical observing and sighting instruments								*
JT008	Purge optical equipment								*
JT009	Desiccate optical equipment								*
JT010	Seal optical equipment								*
JT011	Perform pressurization test on optical equipment								*
JT012	Adjust laser devices		*						*
JT013	Inspect laser devices		*						*
JT014	Test laser devices		*						*
JT015	Diagnose faults in laser devices		*						*
JT016	Remove/replace laser devices		*						*
JT017	Repair laser devices		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT018	Condition laser devices		*						*
JT019	Inspect night observation devices								*
JT020	Test night observation devices		*						*
JT021	Diagnose faults in night sighting devices		*						*
JT022	Test night sighting devices								*
JT023	Adjust night observation devices		*						*
JT024	Repair night observation devices		*						*
JT025	Diagnose faults in night observation devices		*						*
JT026	Inspect night sighting devices								*
JT027	Remove/replace night sighting devices		*						*
JT028	Adjust night sighting devices								*
JT029	Remove/replace night observation devices		*						*
JT030	Repair night sighting devices								*
JT031	Condition night observation devices								*
JT032	Condition night sighting devices								*
JT033	Align AFV sighting systems								*
JT034	Test AFV sighting systems								*
JT035	Inspect AFV sighting systems								*
JT036	Diagnose faults in AFV sighting systems								*
JT037	Remove/replace components of AFV sighting systems								*
JT038	Condition AFV sighting systems								*
JT039	Repair AFV sighting systems								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT040	Inspect mechanical instruments								*
JT041	Test mechanical instruments								*
JT042	Adjust mechanical instruments								*
JT043	Repair mechanical instruments								*
JT044	Condition mechanical instruments								*
JT045	Inspect radioactive illuminating devices		*						*
JT046	Inspect quadrants/clinometers								*
JT047	Adjust quadrants/clinometers								*
JT048	Test quadrants/clinometers								*
JT049	Diagnose faults in quadrants/clinometers								*
JT050	Remove/replace quadrants/clinometers								*
JT051	Condition quadrants/clinometers								*
JT052	Repair quadrants/clinometers								*
JT053	Adjust level vials								*
JT054	Remove/replace level vials								*
JT055	Remove/replace scales								*
JT056	Repair scales								*
JT057	Condition scales								*
JT058	Inspect magnetic compasses								*
JT059	Adjust magnetic compasses								*
JT060	Test magnetic compasses								*
JT061	Diagnose faults in magnetic compasses								*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
JT062	Repair magnetic compasses								*
JT063	Condition magnetic compasses								*
JT064	Setup optical/optronic test equipment and adapters		*						*
JT065	Align optical/optronic test equipment and adapters		*						*
JT066	Inspect optical/optronic test equipment and adapters		*						*
JT067	Test optical/optronic test equipment and adapters		*						*
JT068	Diagnose faults in optical/optronic test equipment and adapters		*						*
JT069	Condition optical/optronic test equipment and adapters		*						*
JT070	Repair optical/optronic test equipment and adapters		*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
+CS001	Technical writing		2	2							2
S001	Operating cranes/hoists/winches		2	2							2
S002	Bench fitting		2	2							2
S003	High reliability soldering			2							2
S004	Using common hand tools		2	2							2
S005	Soldering		2	2							2
S006	Operating hand-held power tools		2	2							2
S007	Hand filing		2	2							2
S008	Operating machine tools		2	2							2
S009	Boresighting										2
S010	Operating materiel handling equipment		2	2							2
S011	Precision measuring		2	2							2
S012	Using test equipment		2	2							2
S013	Driving		2	2							2
S014	Troubleshooting		2	2							2
S015	Freehand sketching		2	2							2
S016	Keyboarding		1	1							1
S017	Interpreting technical/mechanical drawings and schematics		2	2							2
+ S018	Operating Information Technology (IT) systems		2	2							2
S019	Managing materiel resources		2	2							2
S020	Precision layout		2	2							2
S021	Financial forecasting		1	1							1
+ S022	Evaluating maintenance management information		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE										
+BK001	Civilian employee administration		2	2							2
+CK001	Technical library procedures		2	2							2
+CK002	Technical writing techniques		2	2							2
+CK003	Attrition Warning Reports (AWR)		2	2							2
+CK004	On Site Establishment Evaluation Reviews (OSEER)		1	1							1
HK001	Field power distribution systems		2								2
HK002	Range duties										2
K001	Algebra		1	1							1
K002	Boolean algebra			1							1
K003	Geometry		1	1							1
K004	Trigonometry		1	1							1
K005	Calculus		1	1							1
K006	Binary/octal/hexadecimal numbering systems			1							1
K007	Physics		1	1							1
K008	Magnetism		1	1							1
K009	Types/applications of abrasive materials		1	1							1
K010	Principles of mechanical advantage		1	1							1
K011	Operating procedures of engine driven generator systems		1	1							1
K012	Magnetic compass theory		1								1
K013	High pressure cylinder colour coding		2	2							2
K014	Regulators and pressure gauges		2	2							2
K015	Soldering principles and applications		1	1							1
K016	Soldering techniques		1	1							1
K017	Hoist/winch system operating procedures		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K018	Lifting and jacking devices		2	2							2
K019	Shop rules and regulations		2	2							2
K020	Security regulations and orders		2	2							2
K021	Laser safety regulations		2	2							2
K022	Industrial safety practices		2	2							2
K023	Hazardous waste disposal procedures		2	2							2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2							2
K025	Radiation hazards		2	2							2
K026	Electrical/electronic safety precautions and hazards		2	2							2
K027	Use of Personal Protective Equipment (PPE)		2	2							2
K028	Maintenance control records system and procedures		2	2							2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2							2
+ K030	Workshop capabilities and functions		2	2							2
K031	Land Maintenance Systems (LMS)		2	2							2
K032	Effects of weather or extreme conditions on equipment		2	2							2
K033	Metric conversion		1	1							1
K034	Electronic theory			2							2
K035	Mechanical measuring devices construction/theory of operation		2	2							2
K036	Calibration of mechanical measuring devices		1	1							1
K037	Depreservation and preservation		2	2							2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1							1
K039	Drill bits characteristics/identification/specification system		1	1							1
K040	Characteristics and uses of common hand tools		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K041	Characteristics and uses of hand-held power tools		2	2							2
K042	Uses and applications of mechanical locking devices		2	2							2
+ K043	Mechanical alignment techniques		2	2							2
K044	Mechanical adjustment techniques		2	2							2
K045	Calculation and selection of tap drill size		1	1							1
K046	Fastener identification		1	1							1
K047	Electrical/electronic schematics		2	2							2
K048	Mechanical drawings		2	2							2
K049	Sketching techniques		2	2							2
K050	Electrical test equipment		2	2							2
K051	Electronic test equipment		2	2							2
K052	Automated Built-In Tests (BIT)		2	2							2
K053	Generator systems operation theory		2								2
+ K054	Synchro-servo theory			2							2
K055	Alternating Current/Direct Current (AC/DC) theory		2	2							2
K056	Electric motor theory		2	2							2
K057	Types and applications of electrical wire/cable		2	2							2
K058	Electrical wire/cable identification coding		2	2							2
K059	Types of wire/cable splices and their applications		2	2							2
K060	Turret/cab electrical system interfaces										1
K061	Converters/inverters theory		2	2							2
K062	Electrical circuit troubleshooting and analysis procedures		2	2							2
K063	Battery charger theory			2							2
K064	Lithium/Ni-Cad battery theory		1	1							1
K065	Solid state devices		1	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K066	Electro-Static Discharge (ESD)		2	2							2
K067	Digital logic theory			2							2
K068	Digital computer interface principles and techniques			2							2
K069	Basic computer theory			2							2
K070	Computer operating systems		1	1							1
K071	Printed circuit board repair techniques			2							2
+ K072	Video integrated gunnery system simulators			2							2
K073	Zeroing/boresighting procedures										2
K074	Basic principles and theories of light			1							2
K075	Operation of day/night viewing equipment		1								1
K076	Operation of thermal imaging systems			2							2
K077	Operation of laser systems			2							2
K078	Classifications/applications of lasers			2							2
K079	Use and application of lenses/filters		1	2							2
+ K080	Gyroscope theory			2							2
K081	Operation of projection systems			1							1
K082	Integrated fire control systems										2
K083	National electrical code		2								2
K084	Condemnation procedures		2	2							2
+ K085	CF scales of issue		2	2							2
K086	Technical Failure Reports (TFR)		2	2							2
K087	Work scheduling procedures		2	2							2
+ K088	Planned maintenance scheduling and types of inspections		2	2							2
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K090	Battlefield damage repair technique		2	2							2
K091	Defensive positions of maintenance organizations		2	2							2
K092	Brake systems construction/theory of operation		2	2							2
K093	Hand signals for casualty/load manoeuvering		2	2							2
K094	Corrosion prevention and control techniques		2	2							2
K095	Non-destructive testing		1	1							1
K096	Types of drawing		2	2							2
K097	Operation of anti-armour weapon systems										2
+ K098	Financial accounting procedures		2	2							2
K099	Quality Assurance/Quality Control (QA/QC) procedures		2	2							2
K100	Warranty procedures		2	2							2
+ K101	Equipment Logistic Directives (ELD)		2	2							2
+ K102	Equipment Support Lists (ESL)		2	2							2
+ K103	Canadian Field Force equipment table (CFFET)		2	2							2
+ K104	Contract staffing requirements and procedures		2	2							2
K105	Canadian Forces Organization Orders (CFOO)		1	1							1
+ K106	Life Cycle Material Management (LCMM) procedures		1	1							1
+ K107	Integrated Logistics Support (ILS)		1	1							1
+ K108	Accident/incident investigation procedures		1	1							1
+ K109	Supply item management procedures		1	1							1
+ K110	Measurement of workshop performance		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	TASKS								
	DUTY AREA A - OPERATIONS								
AT002#	Decontaminate equipment	*	*						*
AT003#	Destroy equipment to deny use	*	*						*
AT004#	Execute convoy functions	*	*						*
AT005#	Execute Mobile Repair Team (MRT)/recovery duties	*	*						*
AT006#	Direct MRT/recovery activities	*	*						*
AT007#	Conduct maintenance platoon defensive area clearance operations	*	*						*
AT008#	Investigate battlefield damage repair procedures	*	*						*
AT009#	Layout maintenance platoon defensive positions	*	*						*
AT010#	Plan maintenance platoon defensive area clearance operations	*	*						*
AT011#	Select maintenance platoon defensive positions	*	*						*
+AT012#	Conduct maintenance company defensive area clearance operations	*	*						*
+AT013#	Layout maintenance company defensive positions	*	*						*
+AT014#	Plan maintenance company defensive area clearance operations	*	*						*
+AT015#	Select maintenance company defensive positions	*	*						*
	DUTY AREA B - MANAGEMENT								
BT001#	Conduct civilian Performance Review Report (PRR) interviews	*	*						*
BT002#	Implement budget guidelines	*	*						*
BT003#	Monitor financial expenditures	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
BT004#	Prepare budget submissions	*	*						*
BT005#	Prepare civilian Performance Review Reports (PRR)	*	*						*
BT006#	Prepare cost estimates	*	*						*
BT007#	Recommend budget adjustments	*	*						*
BT008#	Review cost estimates								*
BT009#	Authorize financial expenditures	*	*						*
BT010#	Certify civilian time sheets	*	*						*
BT011#	Coordinate civilian overtime	*	*						*
BT012#	Participate in civilian competition boards	*	*						*
BT013#	Participate in civilian disciplinary hearings	*	*						*
BT014#	Participate in civilian staffing appeals	*	*						*
BT015#	Prepare civilian work descriptions	*	*						*
BT016#	Prepare military statement of duties	*	*						*
+BT017#	Conduct civilian competition boards	*	*						*
	DUTY AREA C - TECHNICAL ADMINISTRATION								
CT003#	Complete time accounting forms	*	*						*
CT004#	Prepare suggestion award submissions								*
CT005#	Process land maintenance work orders	*	*						*
CT006#	Research part numbers/information from relevant media	*	*						*
CT007#	Advise contractors on technical problems	*	*						*
CT008#	Condemn equipment	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT009#	Coordinate equipment calibration	*	*						*
CT010#	Coordinate equipment disposal	*	*						*
CT011#	Coordinate spare parts stock levels	*	*						*
CT012#	Design equipment modifications	*	*						*
CT013#	Determine levels of repair	*	*						*
CT014#	Determine project/repair feasibility	*	*						*
CT015#	Determine scales of issue	*	*						*
CT016#	Establish contracts with outside agencies	*	*						*
CT017#	Estimate time/costs to complete projects and repairs	*	*						*
CT018#	Implement equipment modification plans	*	*						*
CT019#	Maintain land maintenance systems databases	*	*						*
CT020#	Monitor contracts with outside agencies	*	*						*
CT021#	Monitor equipment modifications	*	*						*
CT022#	Perform annual technical inspections	*	*						*
CT023#	Perform technical evaluation	*	*						*
CT024#	Prepare Technical Failure Reports (TFR)	*	*						*
CT025#	Prepare technical inspection reports	*	*						*
CT026#	Provide test and evaluation assistance to civilian contractors	*	*						*
CT027#	Recommend battlefield damage repair procedures	*	*						*
CT028#	Recommend changes to equipment testing procedures	*	*						*
CT029#	Review contract demands on locally procured items	*	*						*
CT030#	Review technical reports	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT031#	Source parts	*	*						*
CT032#	Validate Electrical and Mechanical Engineering (EME) maintenance documentation and procedures	*	*						*
CT033#	Verify scales of issue	*	*						*
CT034#	Amend permissive repair schedule	*	*						*
CT035#	Analyse statistical reports	*	*						*
CT036#	Certify receipt of contractor services	*	*						*
CT037#	Conduct repair time trials	*	*						*
CT038#	Conduct technical investigations	*	*						*
CT039#	Control equipment configuration	*	*						*
CT040#	Coordinate technical field trials	*	*						*
CT041#	Define equipment capabilities	*	*						*
CT042#	Draft standard repair times	*	*						*
CT043#	Evaluate prototype/equipment modifications	*	*						*
CT044#	Formulate maintenance plans	*	*						*
CT045#	Formulate maintenance policies and procedures	*	*						*
CT046#	Investigate new maintenance procedures/test equipment/facilities	*	*						*
CT047#	Maintain technical data packages	*	*						*
CT048#	Monitor equipment repair delays	*	*						*
CT049#	Prepare business plans	*	*						*
CT050#	Prepare service papers	*	*						*
CT051#	Prepare statements of technical requirements and specifications	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
CT052#	Review contractor documentation/publications	*	*						*
CT053#	Review suggestion award submissions								*
CT054#	Review technical documents and design data	*	*						*
CT055#	Staff materiel authorization documents	*	*						*
CT056#	Staff Technical Failure Reports (TFR)/Unsatisfactory Condition Reports (UCR)	*	*						*
+CT057#	Analyse integrated logistic support components	*	*						*
+CT058#	Analyse new equipment requirements	*	*						*
+CT059#	Catalogue new equipment for stock number assignment	*	*						*
+CT060#	Develop equipment fielding/distribution plans	*	*						*
+CT061#	Establish equipment configuration	*	*						*
+CT062#	Establish Permissive Repair Schedules (PRS)	*	*						*
+CT063#	Establish repair procedures for new equipment	*	*						*
+CT064#	Implement repair and overhaul contracts	*	*						*
+CT065#	Monitor repair and overhaul contracts	*	*						*
+CT066#	Negotiate statement of work/requirements	*	*						*
+CT067#	Prepare Statements of Work (SOW)/Statements of Requirements (SOR)	*	*						*
+CT068#	Procure replacement equipment	*	*						*
+CT069#	Review deliverable interim/long-lead-item spares listings	*	*						*
	DUTY AREA D - MAINTENANCE SUPPORT (EME COMMON)								
DT008#	Account for parts	*	*						*

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
DT013#	Purge parts from stock holdings	*	*						*
DT014#	Recommend changes to technical drawings/blueprints	*	*						*
DT015#	Scale parts	*	*						*
DT016#	Direct technical field trials	*	*						*
+DT017#	Advise draughtsmen/engineers	*	*						*
	DUTY AREA E - MAINTENANCE SUPPORT (MOC SPECIFIC)								
ET012	Perform investigative equipment teardown/disassembly	*	*						*
	DUTY AREA F - MECHANICAL FITTING								
	Not Applicable								
	DUTY AREA G - ARMAMENT								
	Not Applicable								
	DUTY AREA H - ELECTRICAL								
	Not Applicable								
	DUTY AREA I - ELECTRONICS								
	Not Applicable								
	DUTY AREA J - OPTRONICS								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

SERIAL	OCCUPATIONAL REQUIREMENTS	MOBMOC							REG F
		B	C	D	E	F	G	H	
	Not Applicable								

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	SKILLS										
CS001	Technical writing		2	2							2
S011	Precision measuring		1	1							1
S012	Using test equipment		2	2							2
S013	Driving		2	2							2
S014	Troubleshooting		2	2							2
S015	Freehand sketching		2	2							2
S016	Keyboarding		1	1							1
S017	Interpreting technical/mechanical drawings and schematics		2	2							2
S018	Operating Information Technology (IT) systems		2	2							2
S019	Managing materiel resources		2	2							2
S020	Precision layout		1	1							1
+ S021	Financial forecasting		2	2							2
S022	Evaluating maintenance management information		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

	KNOWLEDGE									
BK001	Civilian employee administration		2	2						2
CK001	Technical library procedures		2	2						2
CK002	Technical writing techniques		2	2						2
CK003	Attrition Warning Reports (AWR)		2	2						2
+CK004	On Site Establishment Evaluation Reviews (OSEER)		2	2						2
HK001	Field power distribution systems		2							2
K017	Hoist/winch system operating procedures		1	1						1
K018	Lifting and jacking devices		1	1						1
K019	Shop rules and regulations		2	2						2
K020	Security regulations and orders		2	2						2
K021	Laser safety regulations		2	2						2
K022	Industrial safety practices		2	2						2
K023	Hazardous waste disposal procedures		2	2						2
K024	Workshop Hazardous Materials Information System (WHMIS)		2	2						2
K025	Radiation hazards		2	2						2
K026	Electrical/electronic safety precautions and hazards		2	2						2
K027	Use of Personal Protective Equipment (PPE)		2	2						2
K028	Maintenance control records system and procedures		2	2						2
K029	Technical publications/Canadian Forces Technical Orders (CFTO)		2	2						2
K030	Workshop capabilities and functions		2	2						2
K031	Land Maintenance Systems (LMS)		2	2						2
K032	Effects of weather or extreme conditions on equipment		2	2						2
K033	Metric conversion		1	1						1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K034	Electronic theory			2							2
K035	Mechanical measuring devices construction/theory of operation		1	1							1
K036	Calibration of mechanical measuring devices		1	1							1
K037	Depreservation and preservation		2	2							2
K038	Petroleum, Oil and Lubricants (POL) identification, classification and characteristics		1	1							1
K039	Drill bits characteristics/identification/specification system		1	1							1
K040	Characteristics and uses of common hand tools		1	1							1
K041	Characteristics and uses of hand-held power tools		1	1							1
K042	Uses and applications of mechanical locking devices		1	1							1
K043	Mechanical alignment techniques		2	2							2
K044	Mechanical adjustment techniques		2	2							2
K045	Calculation and selection of tap drill size		1	1							1
K046	Fastener identification		1	1							1
K047	Electrical/electronic schematics		2	2							2
K048	Mechanical drawings		2	2							2
K049	Sketching techniques		2	2							2
K050	Electrical test equipment		2	2							2
K051	Electronic test equipment			2							2
K052	Automated Built-In Tests (BIT)		2	2							2
K053	Generator systems operation theory		2								2
K054	Synchro-servo theory			1							1
K055	Alternating Current/Direct Current (AC/DC) theory		2	2							2
K056	Electric motor theory		2	2							2

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K057	Types and applications of electrical wire/cable		1	1							1
K058	Electrical wire/cable identification coding		1	1							1
K059	Types of wire/cable splices and their applications		1	1							1
K060	Turret/cab electrical system interfaces										1
K061	Converters/inverters theory		1	1							1
K062	Electrical circuit troubleshooting and analysis procedures		1	1							1
K063	Battery charger theory			1							1
K064	Lithium/Ni-Cad battery theory		1	1							1
K065	Solid state devices		1	2							2
K066	Electro-Static Discharge (ESD)		2	2							2
K067	Digital logic theory			1							1
K068	Digital computer interface principles and techniques			2							2
K069	Basic computer theory			1							1
K070	Computer operating systems		1	1							1
K071	Printed circuit board repair techniques			2							2
K072	Video integrated gunnery system simulators			2							2
K073	Zeroing/boresighting procedures										2
K074	Basic principles and theories of light		1	1							1
K075	Operation of day/night viewing equipment		1								1
K076	Operation of thermal imaging systems			1							1
K077	Operation of laser systems			1							1
K078	Classifications/applications of lasers			2							2
K079	Use and application of lenses/filters		1	1							1
K080	Gyroscope theory			2							2
K081	Operation of projection systems			1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

K082	Integrated fire control systems										2
K083	National electrical code		2								2
K084	Condemnation procedures		2	2							2
K085	CF scales of issue		2	2							2
K086	Technical Failure Reports (TFR)		2	2							2
K087	Work scheduling procedures		2	2							2
K088	Planned maintenance scheduling and types of inspections		2	2							2
K089	Test Equipment Maintenance Management Information Systems (TEMMIS)		1	1							1
K090	Battlefield damage repair technique		1	1							1
K091	Defensive positions of maintenance organizations		2	2							2
K092	Brake systems construction/theory of operation		2	2							2
K093	Hand signals for casualty/load manoeuvering		2	2							2
K094	Corrosion prevention and control techniques		2	2							2
K095	Non-destructive testing		1	1							1
K096	Types of drawing		2	2							2
K097	Operation of anti-armour weapon systems										2
K098	Financial accounting procedures		2	2							2
K099	Quality Assurance/Quality Control (QA/QC) procedures		2	2							2
K100	Warranty procedures		2	2							2
K101	Equipment Logistic Directives (ELD)		2	2							2
K102	Equipment Support Lists (ESL)		2	2							2
K103	Canadian Field Force equipment table (CFFET)		2	2							2
K104	Contract staffing requirements and procedures		2	2							2
K105	Canadian Forces Organization Orders (CFOO)		1	1							1

OCCUPATIONAL PERFORMANCE REQUIREMENTS

+ K106	Life Cycle Material Management (LCMM) procedures		2	2						2
+ K107	Integrated Logistics Support (ILS)		2	2						2
K108	Accident/incident investigation procedures		1	1						1
+ K109	Supply item management procedures		2	2						2
K110	Measurement of workshop performance		2	2						2